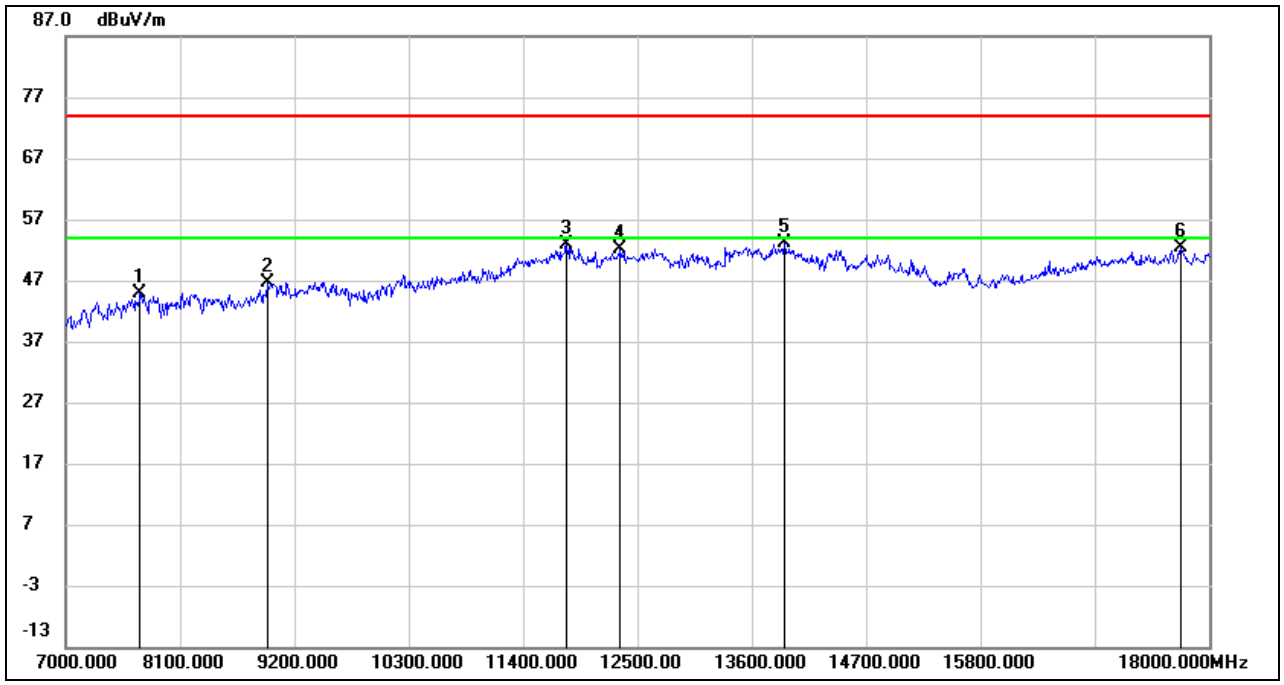
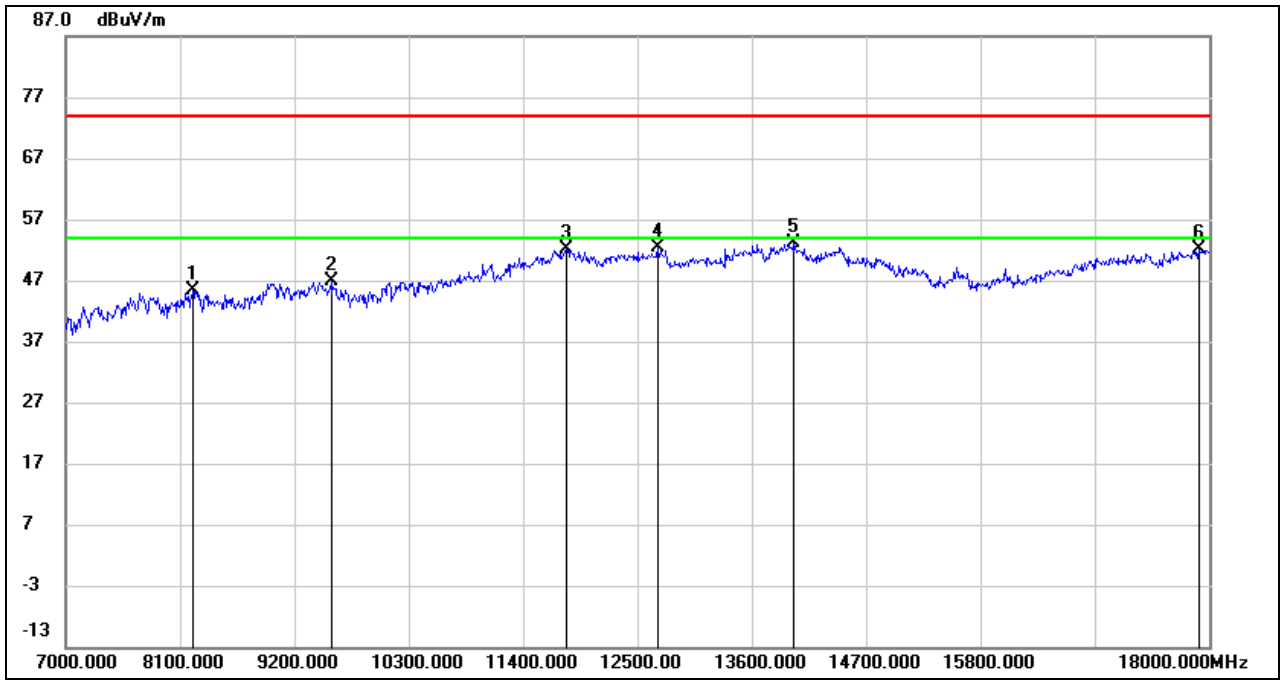
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7715.000	39.06	5.81	44.87	74.00	-29.13	peak
2	8936.000	37.89	8.76	46.65	74.00	-27.35	peak
3	11818.000	35.57	17.20	52.77	74.00	-21.23	peak
4	12335.000	35.12	16.95	52.07	74.00	-21.93	peak
5	13919.000	32.51	20.58	53.09	74.00	-20.91	peak
6	17725.000	29.86	22.41	52.27	74.00	-21.73	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

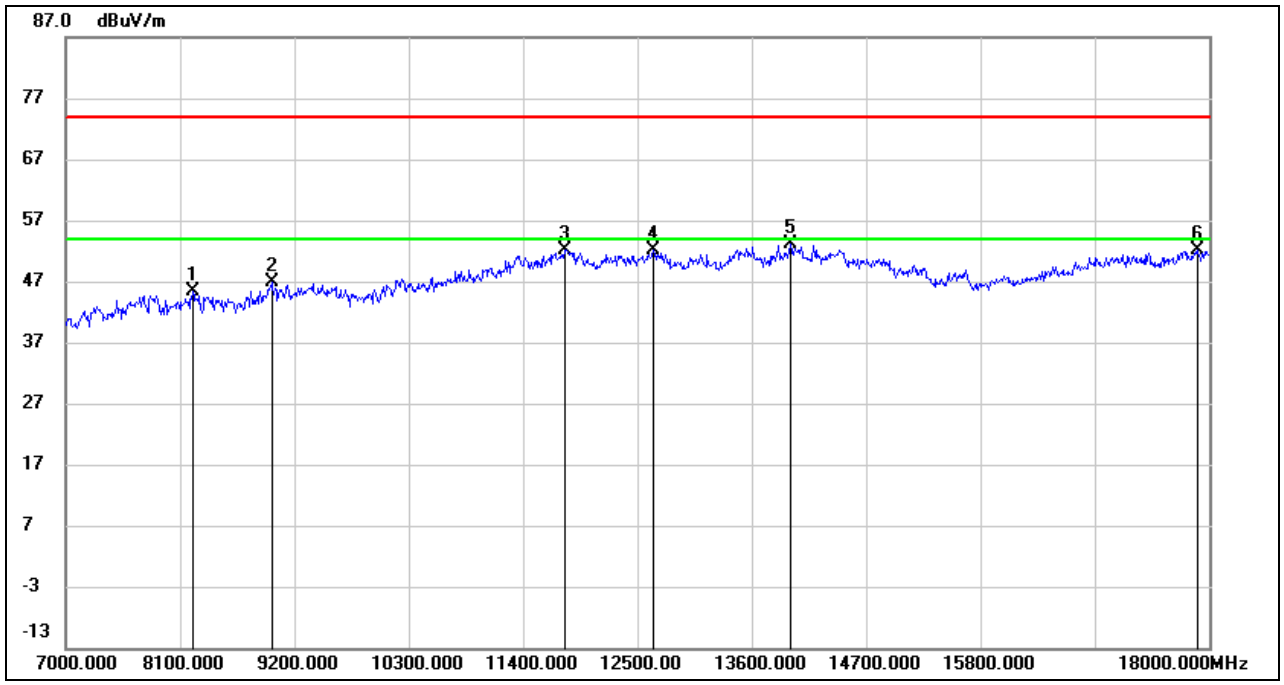
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8221.000	38.12	7.16	45.28	74.00	-28.72	peak
2	9552.000	36.89	10.03	46.92	74.00	-27.08	peak
3	11818.000	35.05	17.20	52.25	74.00	-21.75	peak
4	12698.000	35.36	17.05	52.41	74.00	-21.59	peak
5	14007.000	32.58	20.61	53.19	74.00	-20.81	peak
6	17901.000	28.78	23.44	52.22	74.00	-21.78	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

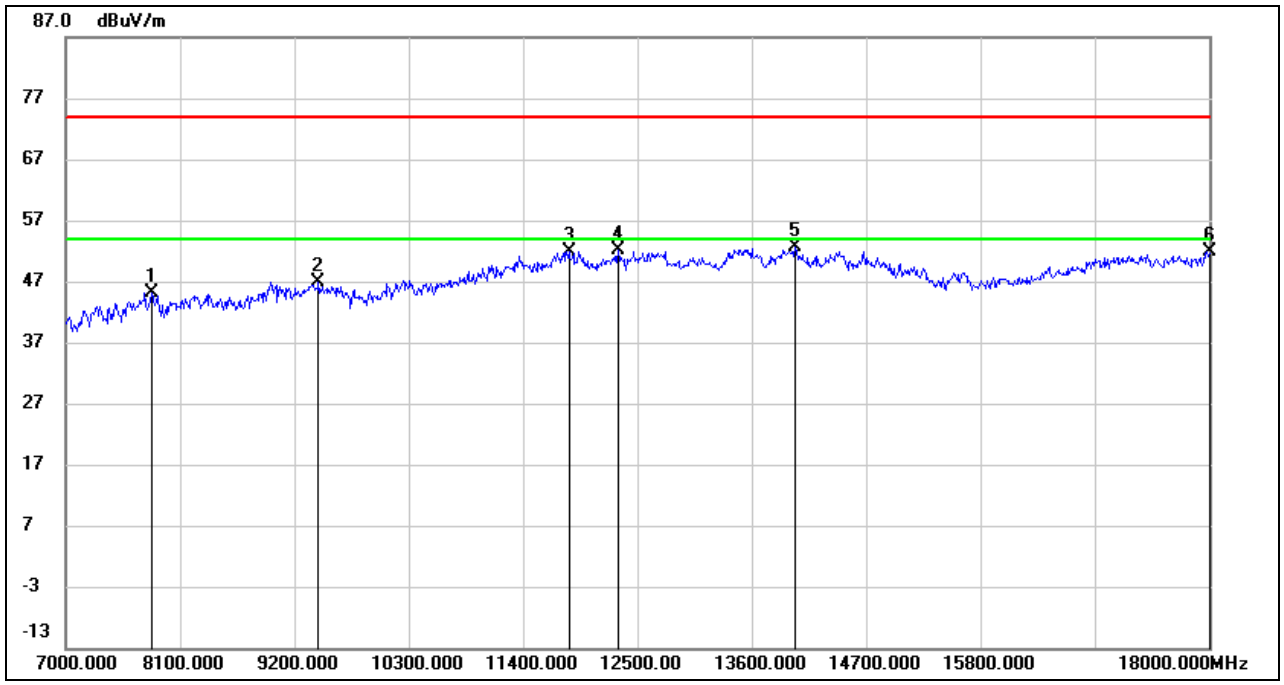
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8221.000	38.14	7.16	45.30	74.00	-28.70	peak
2	8980.000	37.59	9.29	46.88	74.00	-27.12	peak
3	11796.000	35.04	17.19	52.23	74.00	-21.77	peak
4	12654.000	35.25	16.93	52.18	74.00	-21.82	peak
5	13974.000	32.52	20.63	53.15	74.00	-20.85	peak
6	17890.000	28.72	23.41	52.13	74.00	-21.87	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



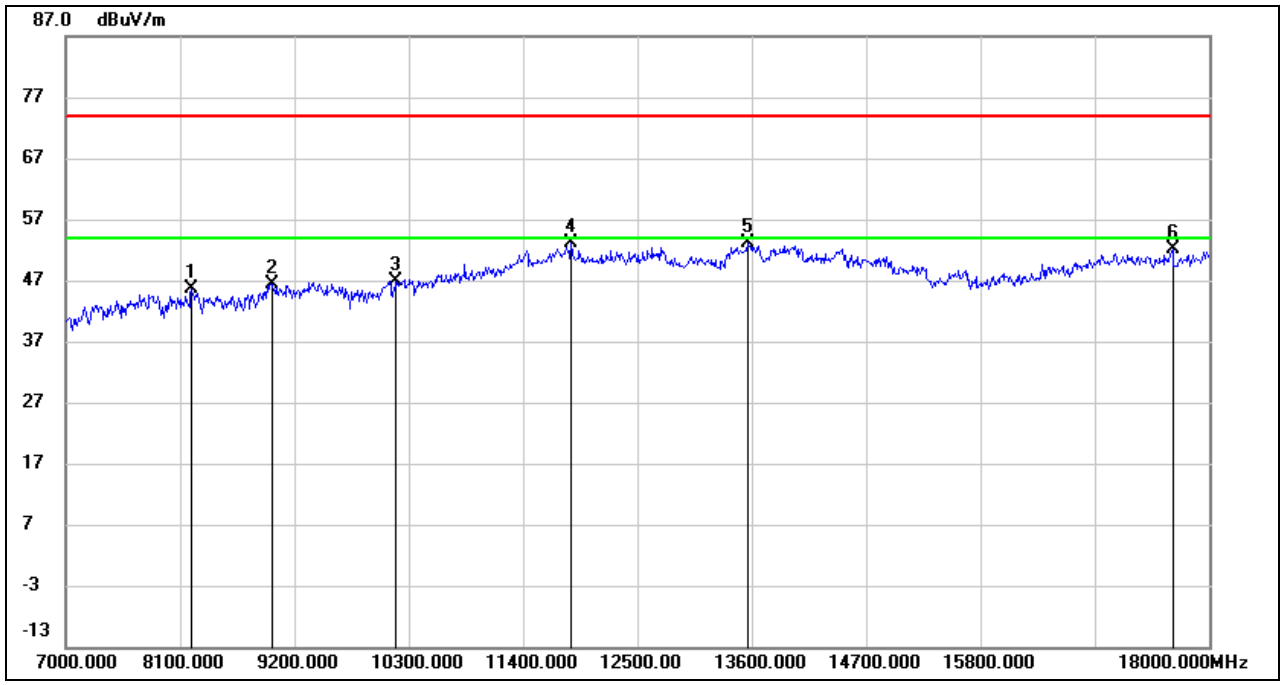
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7825.000	39.11	5.99	45.10	74.00	-28.90	peak
2	9431.000	37.11	9.76	46.87	74.00	-27.13	peak
3	11840.000	34.75	17.20	51.95	74.00	-22.05	peak
4	12313.000	35.10	16.92	52.02	74.00	-21.98	peak
5	14018.000	32.06	20.55	52.61	74.00	-21.39	peak
6	18000.000	28.32	23.68	52.00	74.00	-22.00	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

8.3.3. 802.11ac VHT40 SISO MODE

UNII-1 BAND

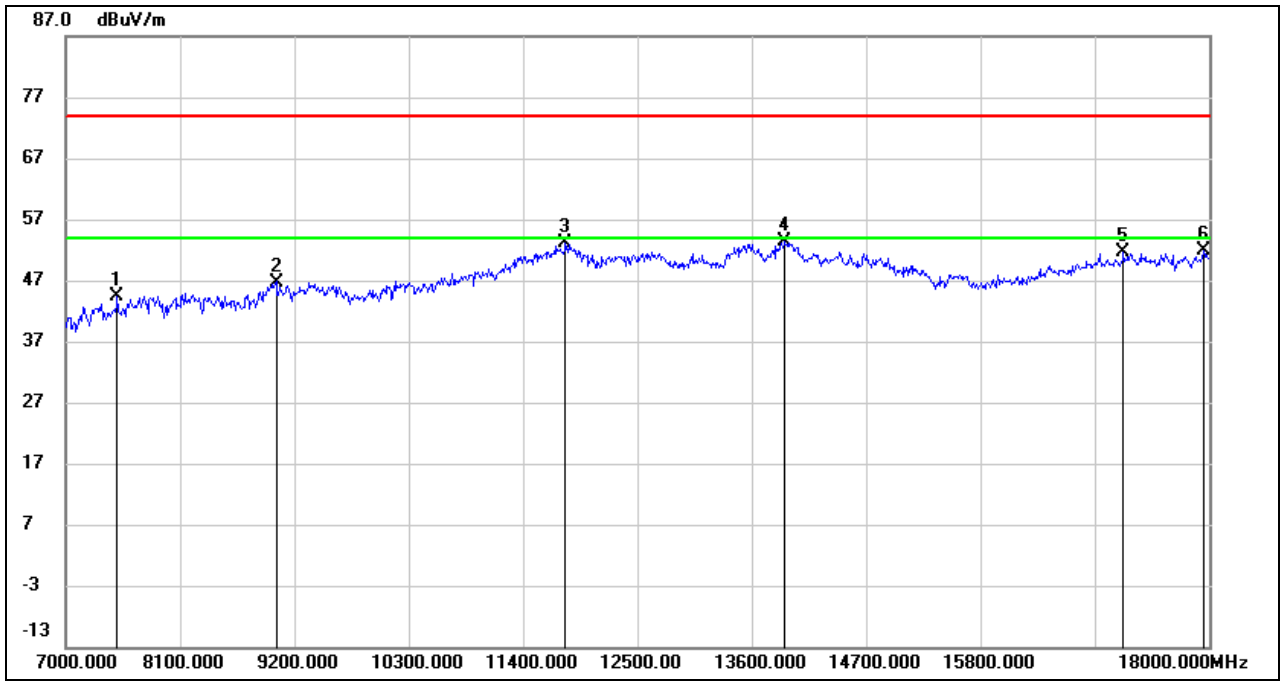
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8210.000	38.42	7.20	45.62	74.00	-28.38	peak
2	8980.000	37.11	9.29	46.40	74.00	-27.60	peak
3	10179.000	36.01	10.88	46.89	74.00	-27.11	peak
4	11862.000	35.97	17.19	53.16	74.00	-20.84	peak
5	13556.000	33.50	19.67	53.17	74.00	-20.83	peak
6	17648.000	30.43	21.62	52.05	74.00	-21.95	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

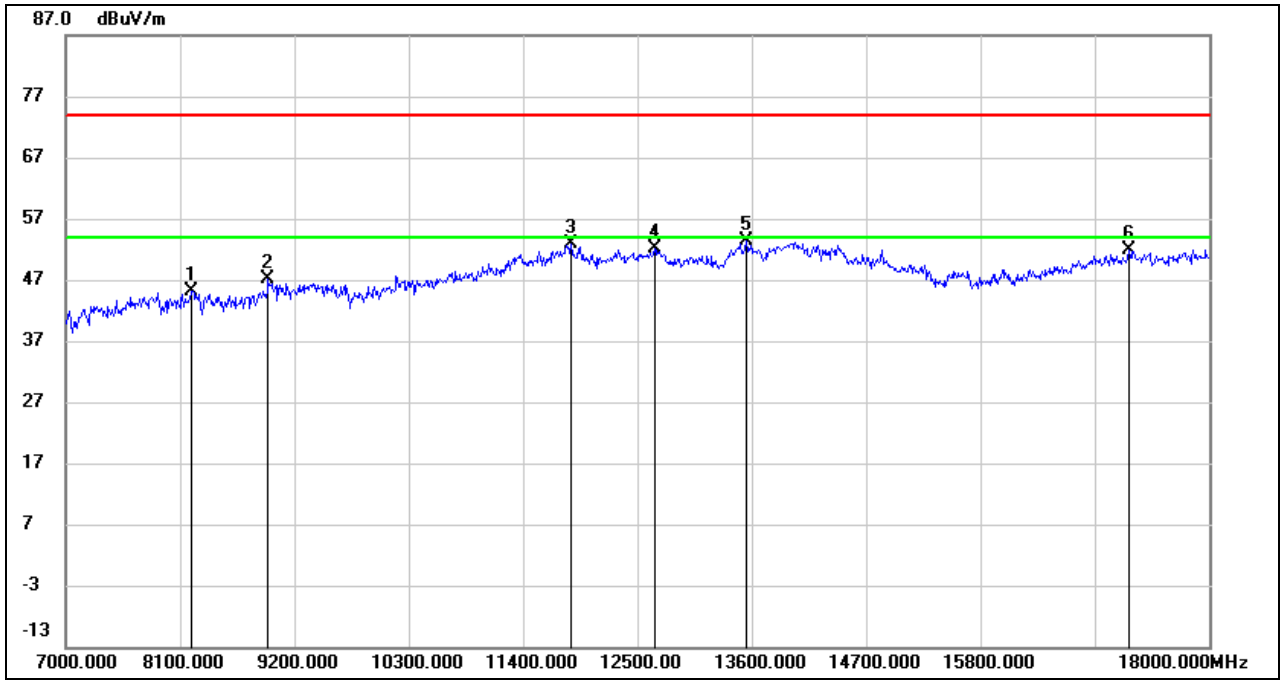
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7495.000	38.70	5.66	44.36	74.00	-29.64	peak
2	9024.000	37.36	9.39	46.75	74.00	-27.25	peak
3	11807.000	35.89	17.22	53.11	74.00	-20.89	peak
4	13919.000	32.79	20.58	53.37	74.00	-20.63	peak
5	17175.000	31.55	20.00	51.55	74.00	-22.45	peak
6	17945.000	28.25	23.55	51.80	74.00	-22.20	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

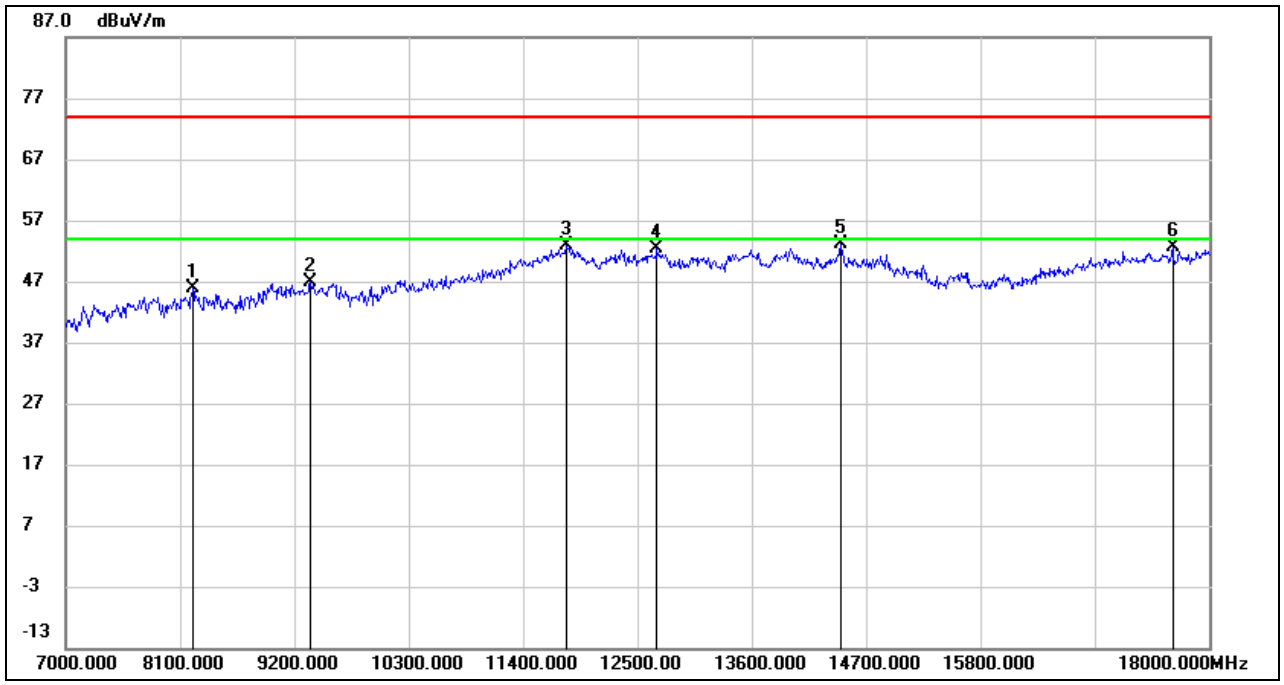
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8210.000	37.90	7.20	45.10	74.00	-28.90	peak
2	8947.000	38.13	8.89	47.02	74.00	-26.98	peak
3	11862.000	35.77	17.19	52.96	74.00	-21.04	peak
4	12665.000	35.25	16.97	52.22	74.00	-21.78	peak
5	13545.000	33.66	19.64	53.30	74.00	-20.70	peak
6	17230.000	31.72	20.16	51.88	74.00	-22.12	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

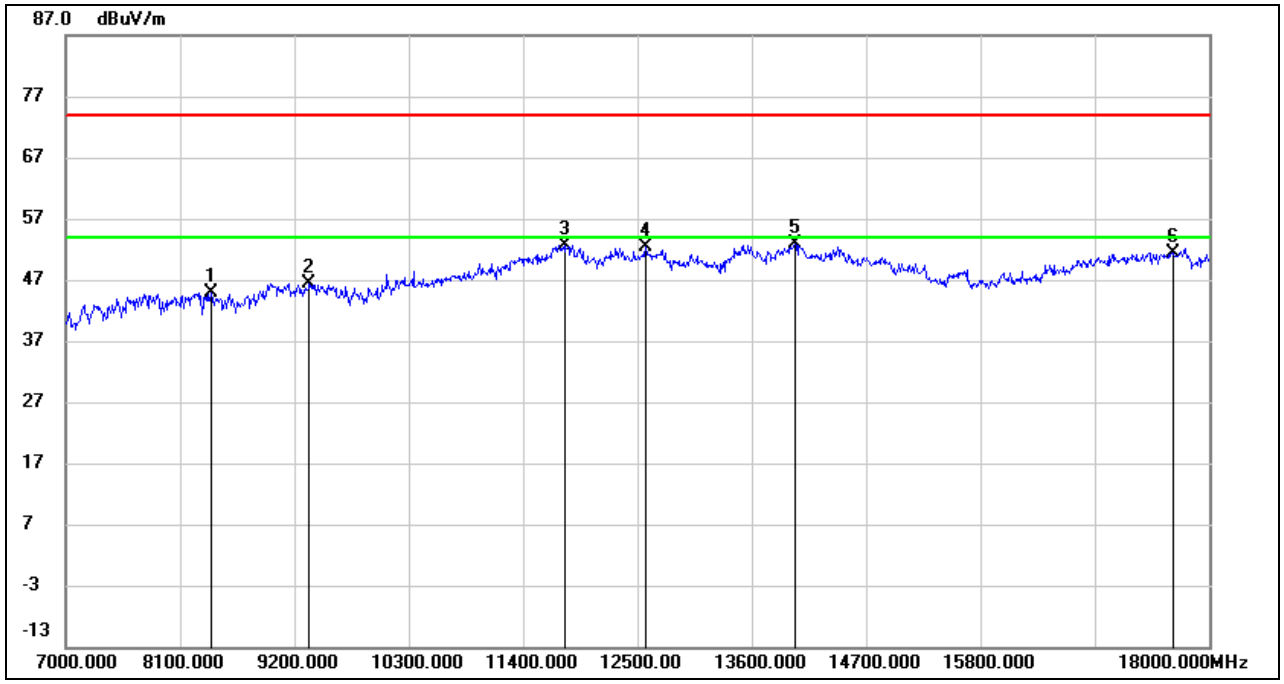


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8221.000	38.63	7.16	45.79	74.00	-28.21	peak
2	9354.000	37.47	9.39	46.86	74.00	-27.14	peak
3	11818.000	35.56	17.20	52.76	74.00	-21.24	peak
4	12687.000	35.42	17.01	52.43	74.00	-21.57	peak
5	14458.000	34.55	18.61	53.16	74.00	-20.84	peak
6	17648.000	30.90	21.62	52.52	74.00	-21.48	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

UNII-2A BAND

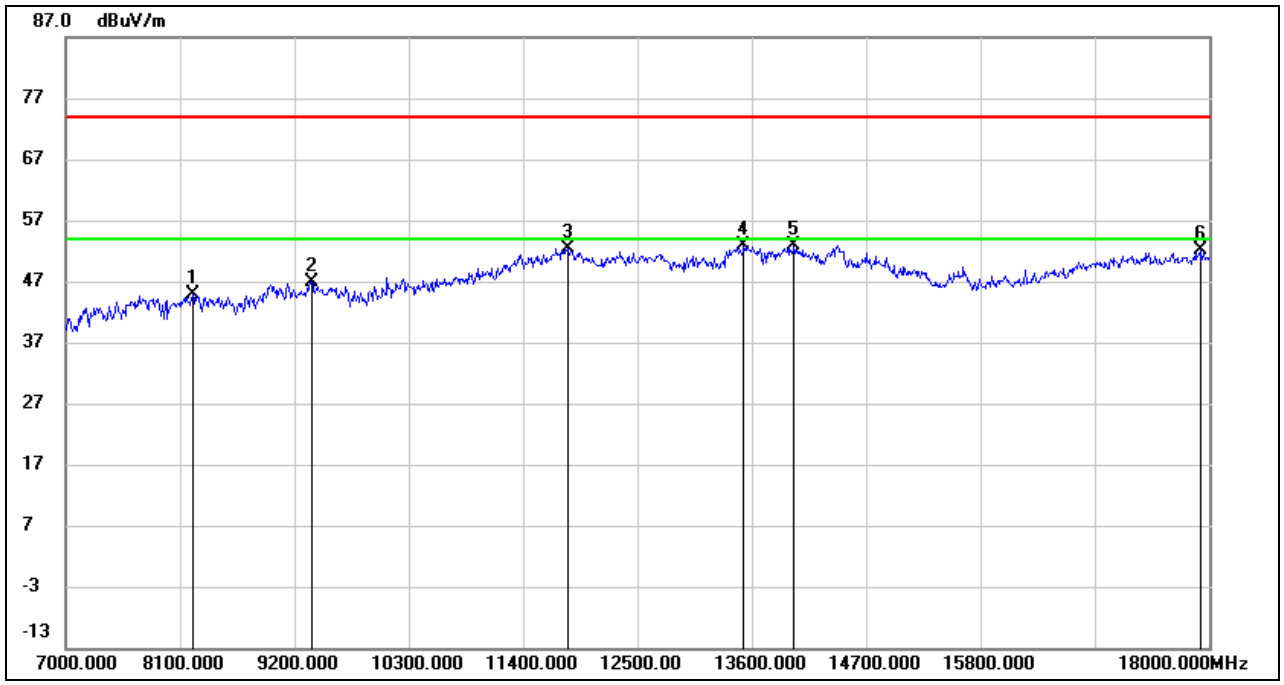
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8397.000	38.17	6.65	44.82	74.00	-29.18	peak
2	9343.000	37.16	9.32	46.48	74.00	-27.52	peak
3	11807.000	35.43	17.22	52.65	74.00	-21.35	peak
4	12577.000	35.49	16.82	52.31	74.00	-21.69	peak
5	14018.000	32.41	20.55	52.96	74.00	-21.04	peak
6	17648.000	29.77	21.62	51.39	74.00	-22.61	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

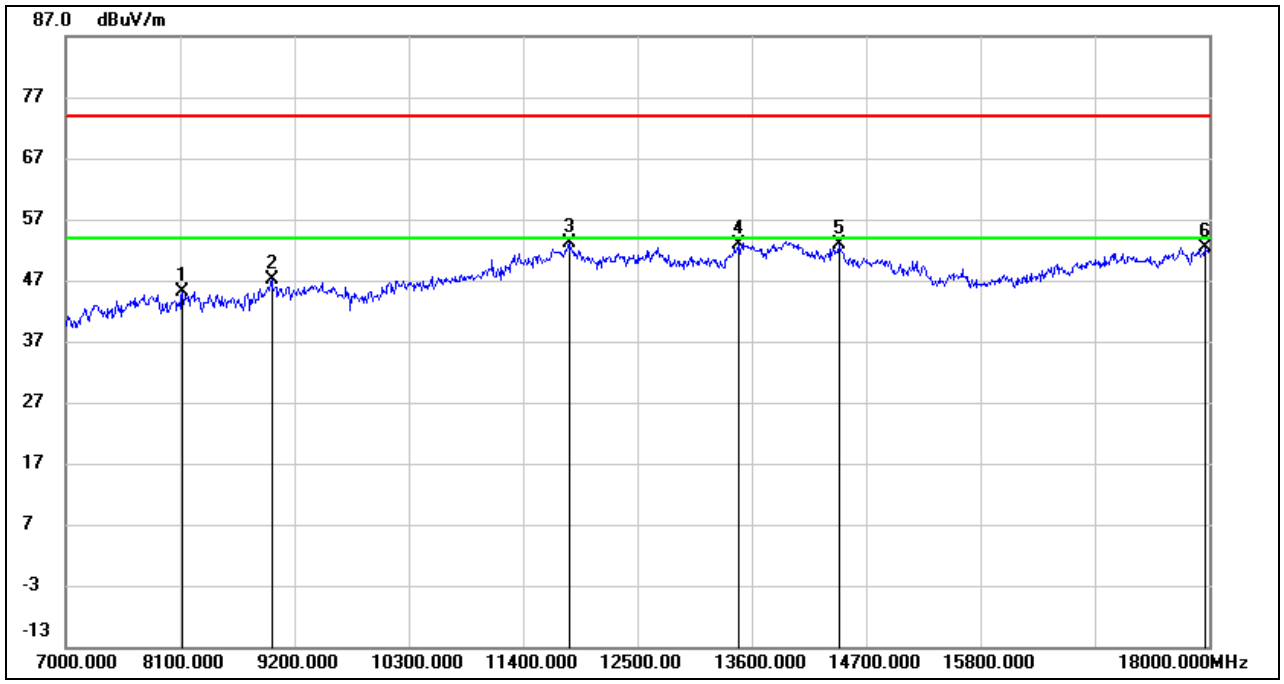
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8221.000	37.77	7.16	44.93	74.00	-29.07	peak
2	9365.000	37.42	9.46	46.88	74.00	-27.12	peak
3	11829.000	35.29	17.20	52.49	74.00	-21.51	peak
4	13523.000	33.34	19.62	52.96	74.00	-21.04	peak
5	14007.000	32.36	20.61	52.97	74.00	-21.03	peak
6	17912.000	28.73	23.46	52.19	74.00	-21.81	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

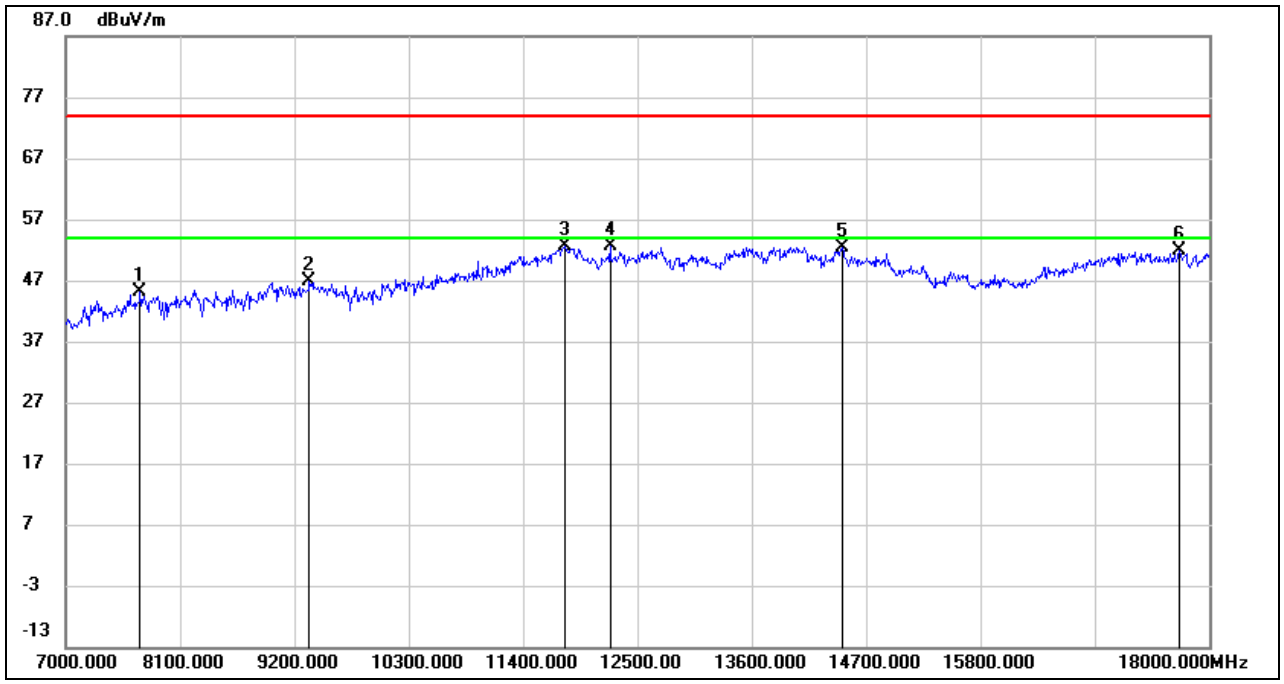
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8122.000	38.61	6.49	45.10	74.00	-28.90	peak
2	8980.000	37.93	9.29	47.22	74.00	-26.78	peak
3	11840.000	35.82	17.20	53.02	74.00	-20.98	peak
4	13468.000	33.40	19.46	52.86	74.00	-21.14	peak
5	14436.000	34.08	18.74	52.82	74.00	-21.18	peak
6	17956.000	28.84	23.57	52.41	74.00	-21.59	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

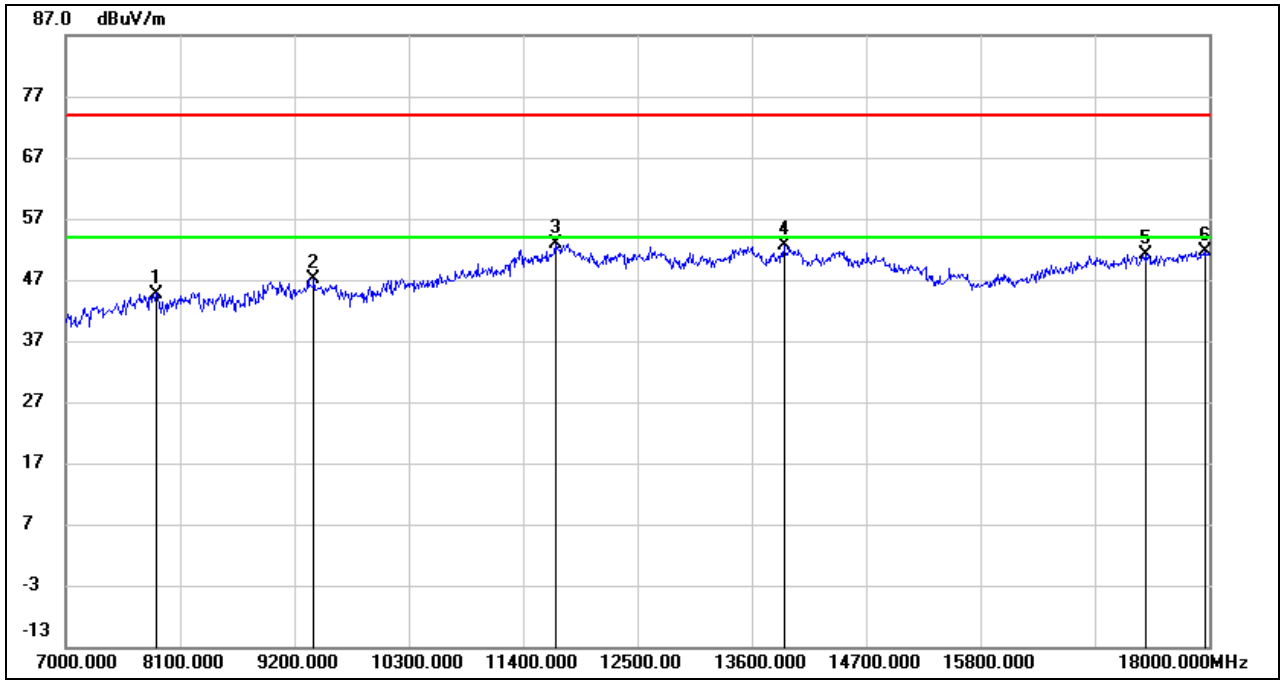


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7715.000	39.25	5.81	45.06	74.00	-28.94	peak
2	9343.000	37.51	9.32	46.83	74.00	-27.17	peak
3	11796.000	35.46	17.19	52.65	74.00	-21.35	peak
4	12236.000	35.76	16.81	52.57	74.00	-21.43	peak
5	14469.000	33.94	18.54	52.48	74.00	-21.52	peak
6	17714.000	29.66	22.29	51.95	74.00	-22.05	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

UNII-2C BAND

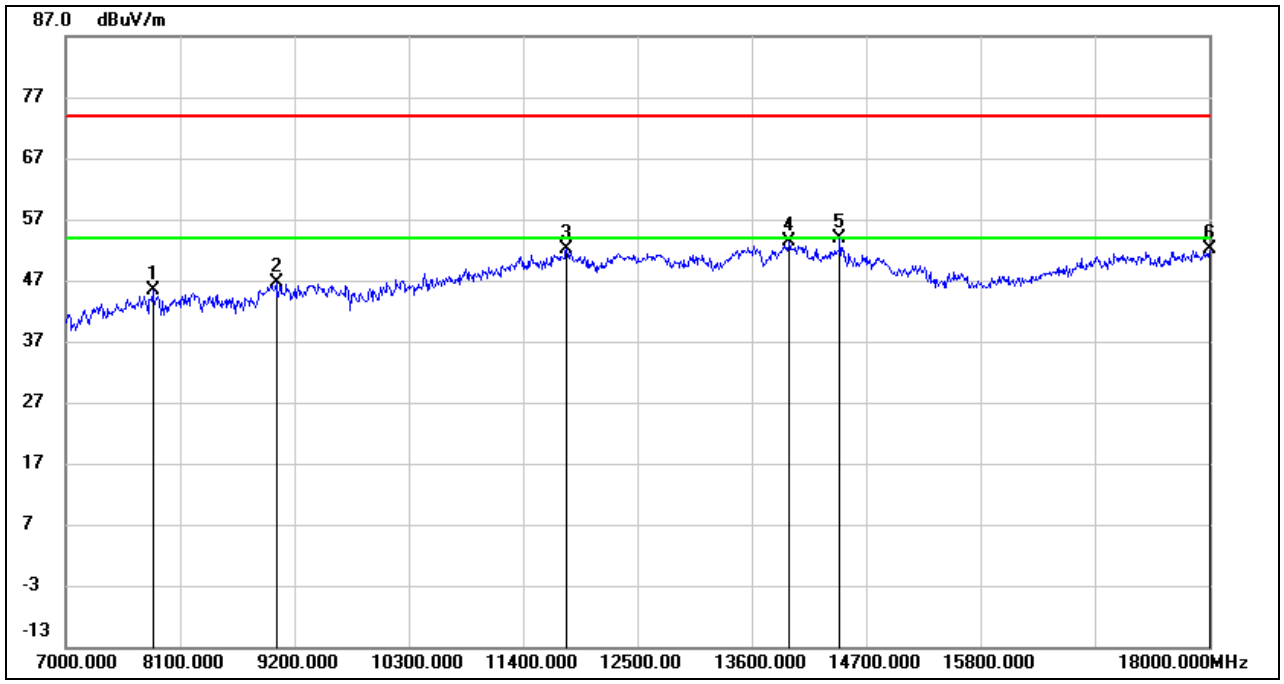
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7869.000	38.93	5.82	44.75	74.00	-29.25	peak
2	9387.000	37.52	9.60	47.12	74.00	-26.88	peak
3	11708.000	36.17	16.64	52.81	74.00	-21.19	peak
4	13908.000	32.03	20.58	52.61	74.00	-21.39	peak
5	17384.000	31.00	20.21	51.21	74.00	-22.79	peak
6	17956.000	28.13	23.57	51.70	74.00	-22.30	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

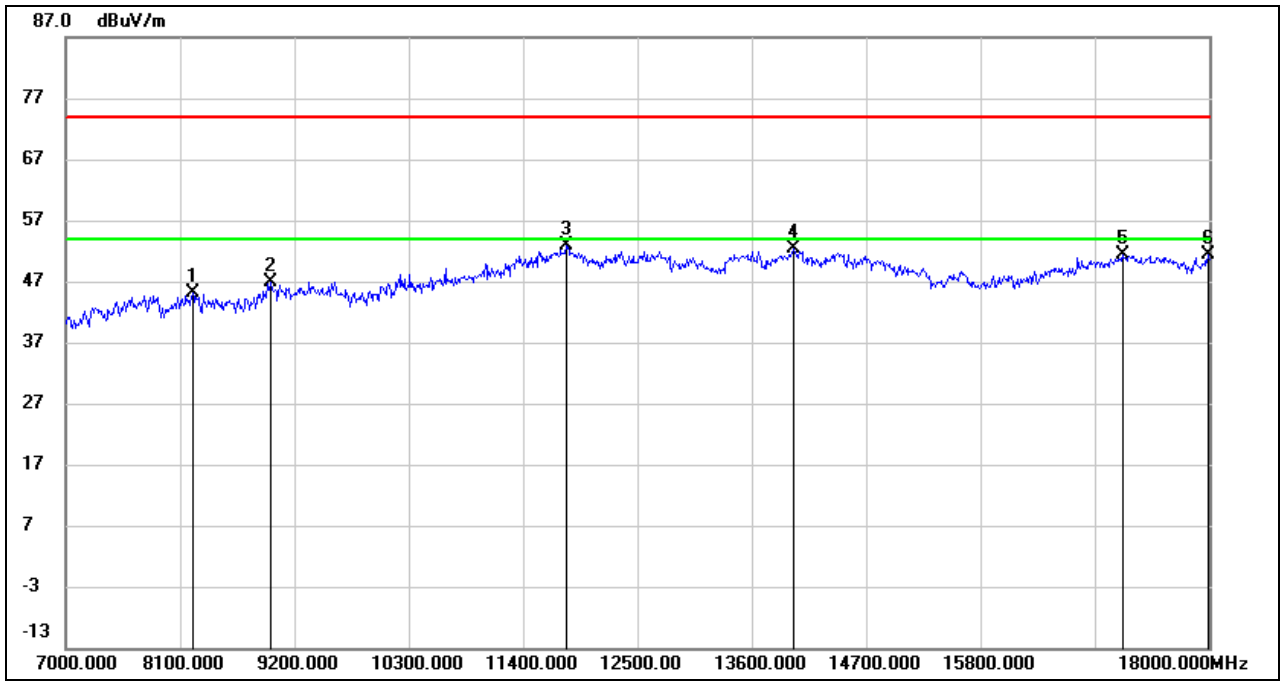
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7836.000	39.42	5.95	45.37	74.00	-28.63	peak
2	9024.000	37.12	9.39	46.51	74.00	-27.49	peak
3	11818.000	35.03	17.20	52.23	74.00	-21.77	peak
4	13963.000	32.82	20.61	53.43	74.00	-20.57	peak
5	14447.000	35.23	18.67	53.90	74.00	-20.10	peak
6	18000.000	28.42	23.68	52.10	74.00	-21.90	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

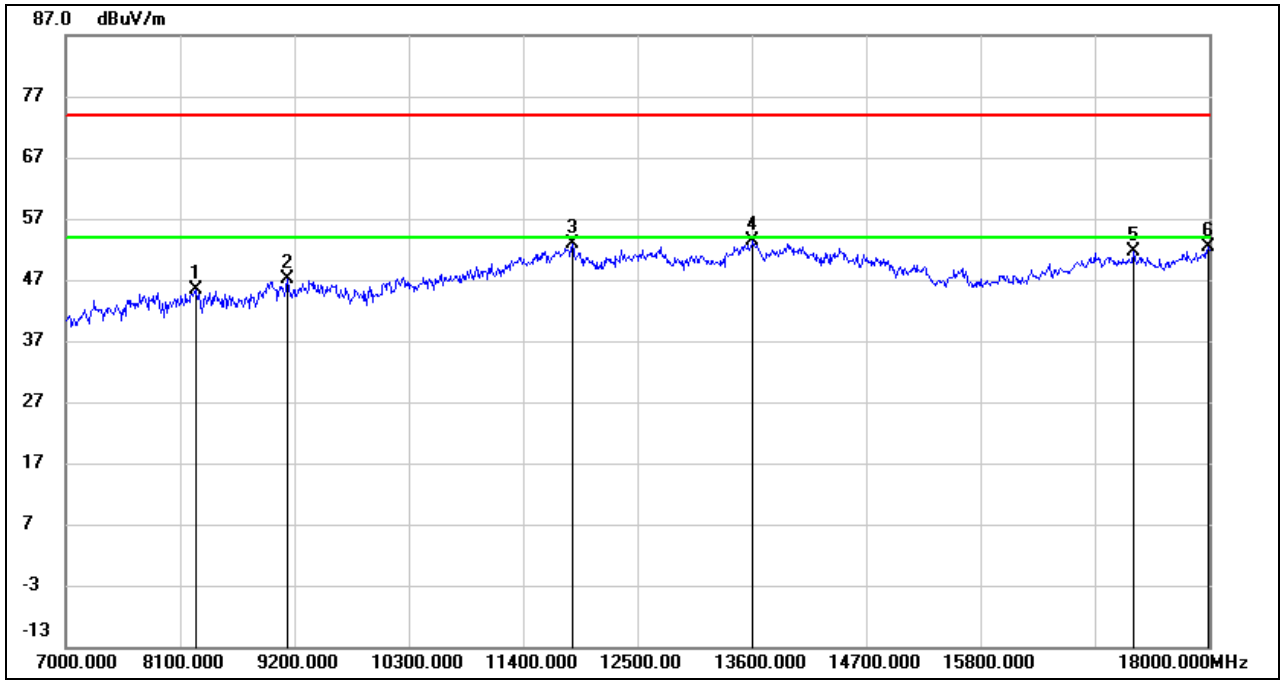
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8221.000	37.92	7.16	45.08	74.00	-28.92	peak
2	8969.000	37.61	9.16	46.77	74.00	-27.23	peak
3	11818.000	35.75	17.20	52.95	74.00	-21.05	peak
4	14007.000	31.85	20.61	52.46	74.00	-21.54	peak
5	17164.000	31.35	19.93	51.28	74.00	-22.72	peak
6	17989.000	27.66	23.65	51.31	74.00	-22.69	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

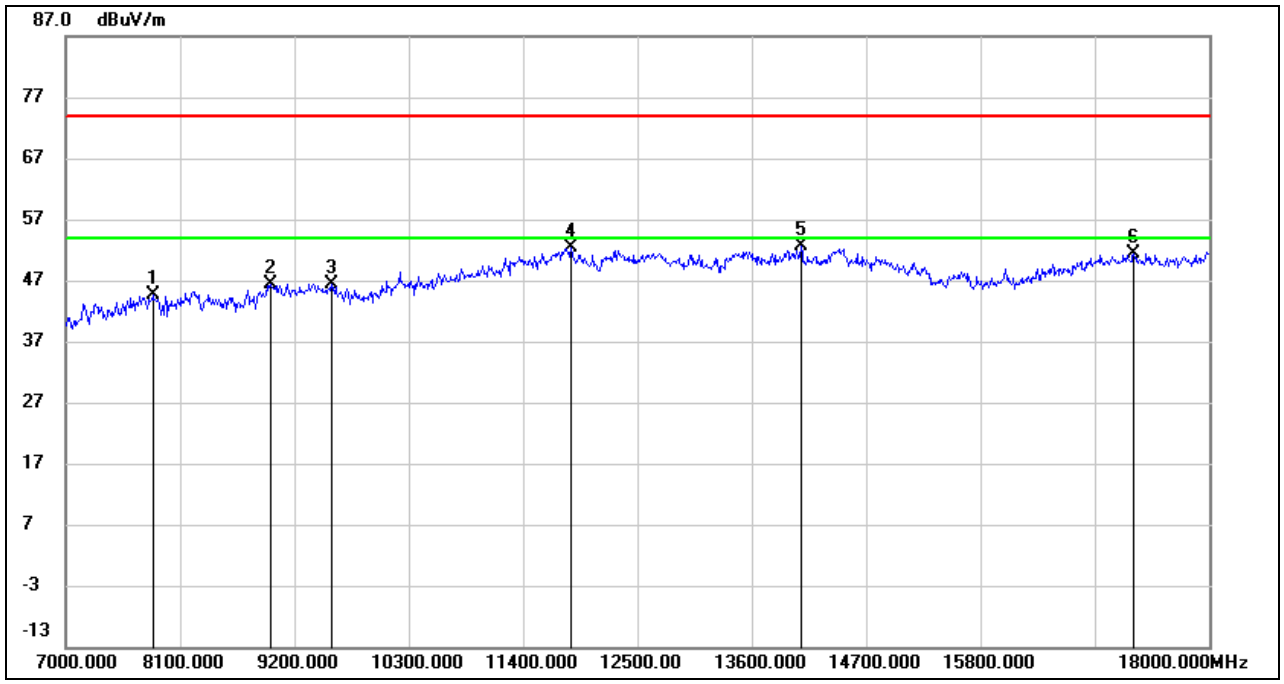
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8254.000	38.31	7.07	45.38	74.00	-28.62	peak
2	9134.000	38.27	8.78	47.05	74.00	-26.95	peak
3	11873.000	35.66	17.17	52.83	74.00	-21.17	peak
4	13611.000	33.69	19.76	53.45	74.00	-20.55	peak
5	17274.000	31.34	20.17	51.51	74.00	-22.49	peak
6	17989.000	28.64	23.65	52.29	74.00	-21.71	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

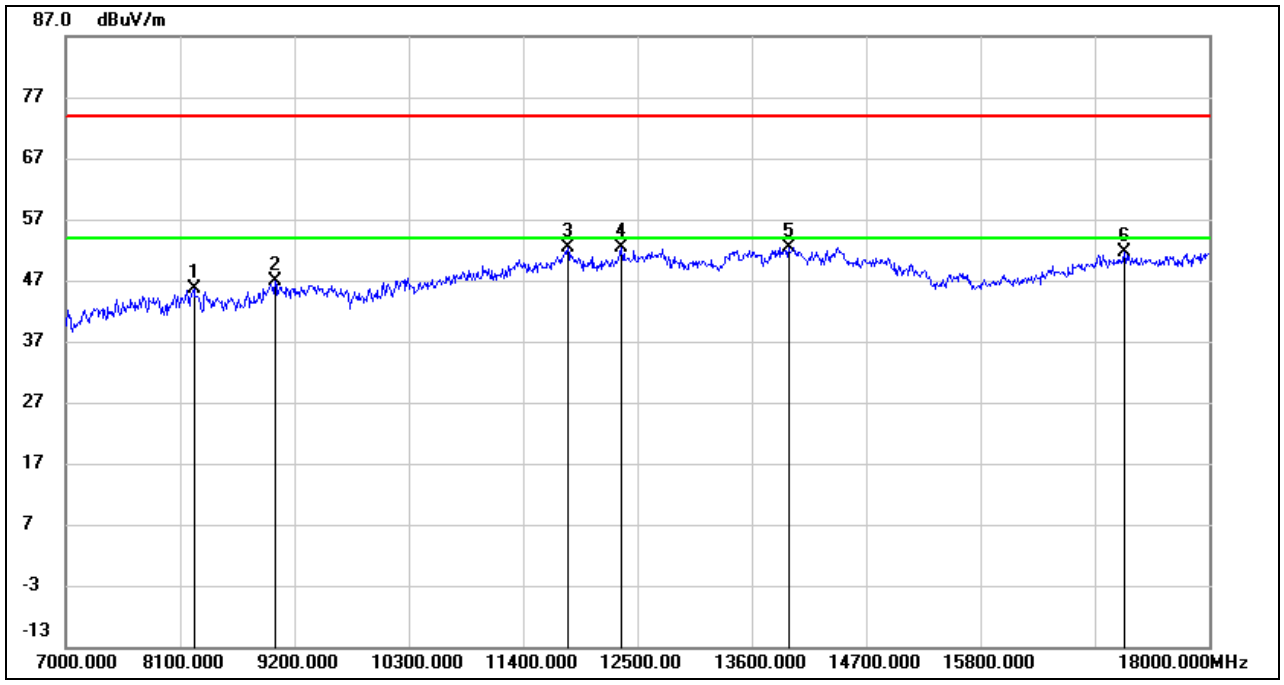
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7836.000	38.70	5.95	44.65	74.00	-29.35	peak
2	8969.000	37.24	9.16	46.40	74.00	-27.60	peak
3	9552.000	36.45	10.03	46.48	74.00	-27.52	peak
4	11862.000	35.24	17.19	52.43	74.00	-21.57	peak
5	14073.000	32.23	20.28	52.51	74.00	-21.49	peak
6	17274.000	31.11	20.17	51.28	74.00	-22.72	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

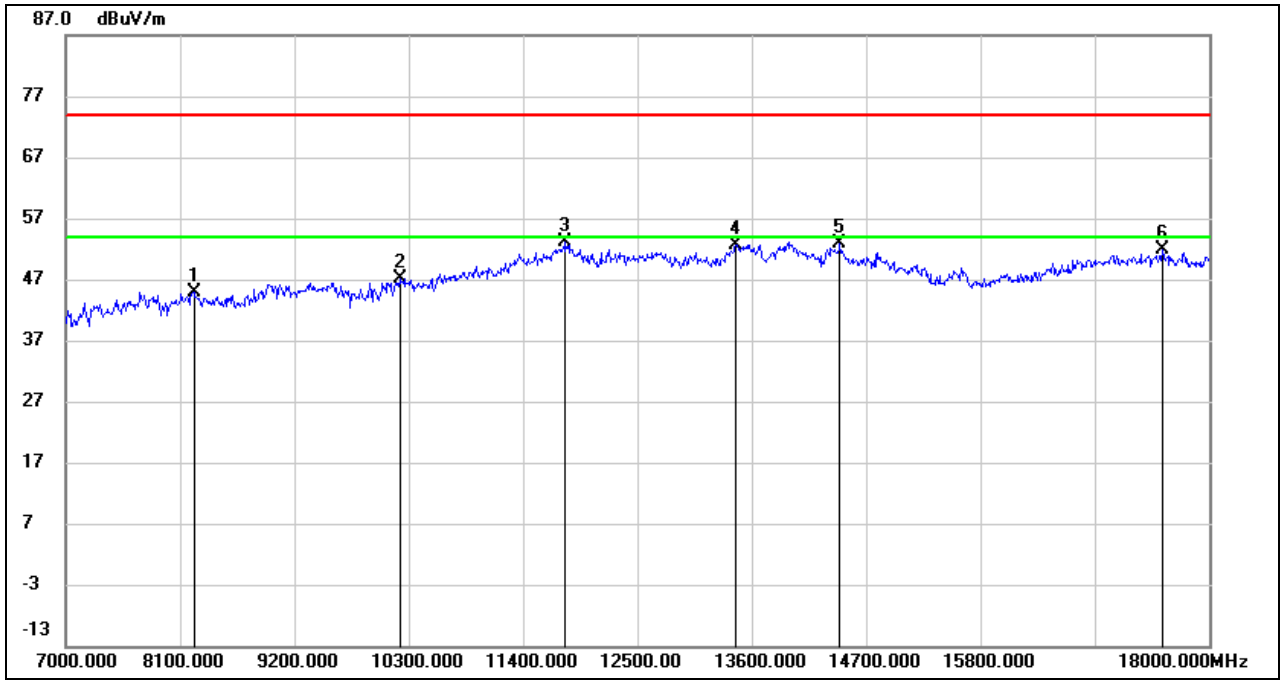


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8232.000	38.51	7.14	45.65	74.00	-28.35	peak
2	9013.000	37.40	9.45	46.85	74.00	-27.15	peak
3	11829.000	35.12	17.20	52.32	74.00	-21.68	peak
4	12346.000	35.50	16.97	52.47	74.00	-21.53	peak
5	13952.000	31.85	20.61	52.46	74.00	-21.54	peak
6	17186.000	31.67	20.06	51.73	74.00	-22.27	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

STRADDLE CHANNEL 142

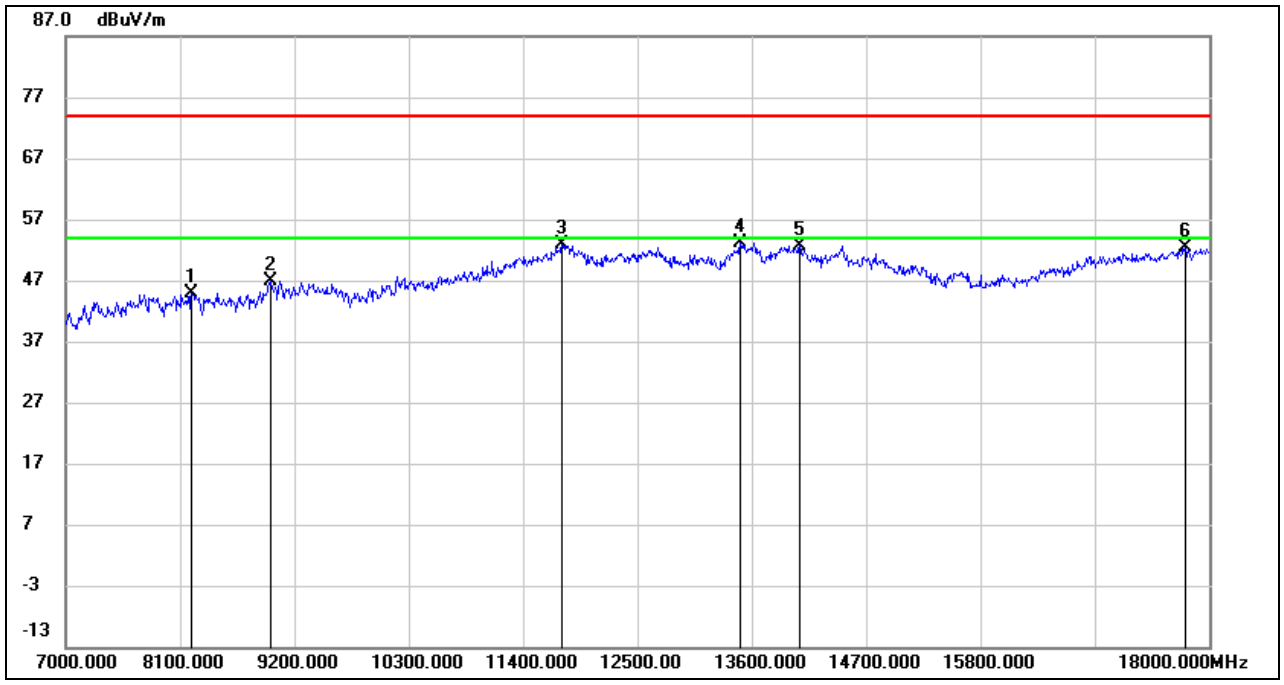
HARMONICS AND SPURIOUS EMISSIONS (HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8232.000	37.84	7.14	44.98	74.00	-29.02	peak
2	10212.000	36.25	10.95	47.20	74.00	-26.80	peak
3	11807.000	35.81	17.22	53.03	74.00	-20.97	peak
4	13446.000	33.29	19.37	52.66	74.00	-21.34	peak
5	14447.000	34.14	18.67	52.81	74.00	-21.19	peak
6	17549.000	31.04	20.80	51.84	74.00	-22.16	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

HARMONICS AND SPURIOUS EMISSIONS (VERTICAL)

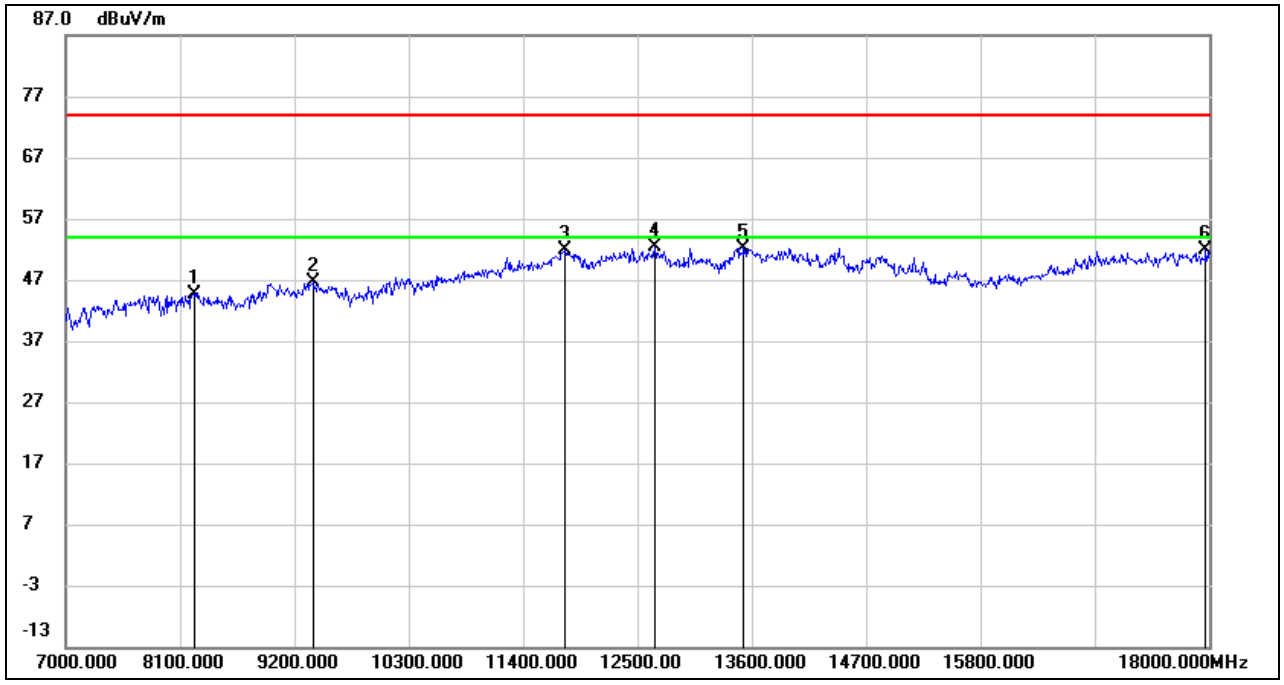


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8210.000	37.77	7.20	44.97	74.00	-29.03	peak
2	8969.000	37.83	9.16	46.99	74.00	-27.01	peak
3	11774.000	35.72	17.06	52.78	74.00	-21.22	peak
4	13490.000	33.56	19.55	53.11	74.00	-20.89	peak
5	14062.000	32.42	20.33	52.75	74.00	-21.25	peak
6	17769.000	29.42	22.86	52.28	74.00	-21.72	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

UNII-3 BAND

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8243.000	37.51	7.10	44.61	74.00	-29.39	peak
2	9376.000	37.08	9.53	46.61	74.00	-27.39	peak
3	11807.000	34.54	17.22	51.76	74.00	-22.24	peak
4	12665.000	35.46	16.97	52.43	74.00	-21.57	peak
5	13523.000	32.63	19.62	52.25	74.00	-21.75	peak
6	17967.000	28.25	23.59	51.84	74.00	-22.16	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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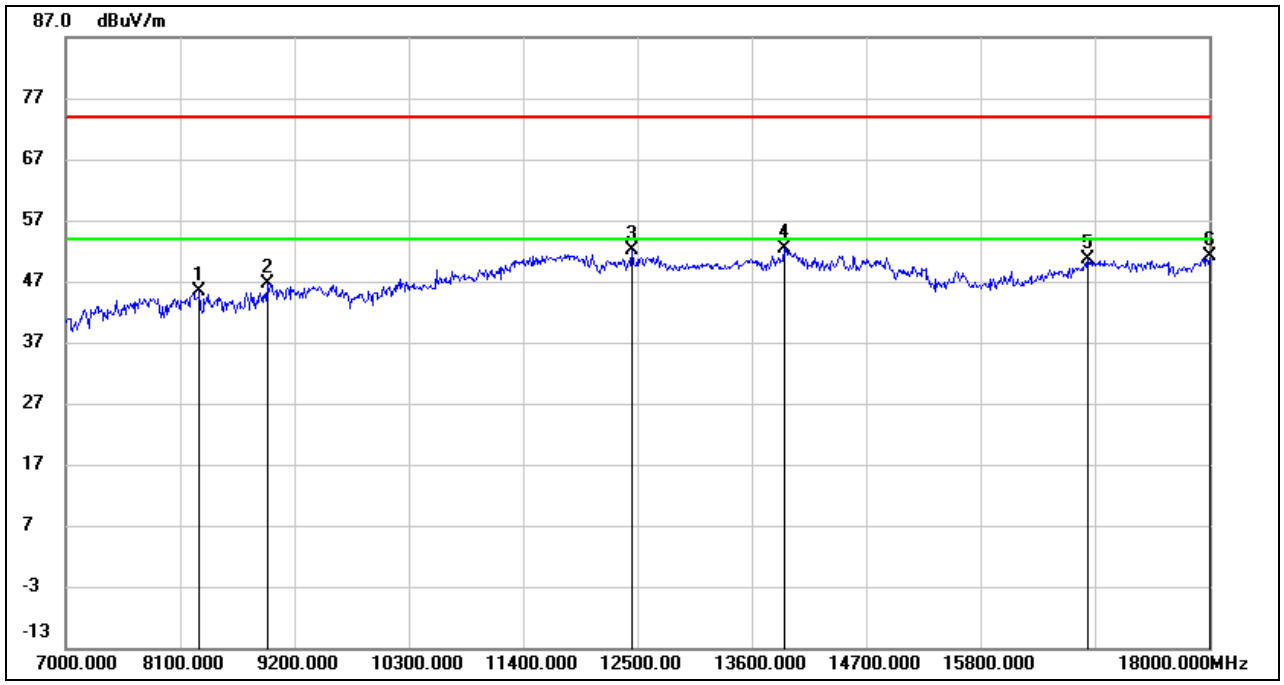
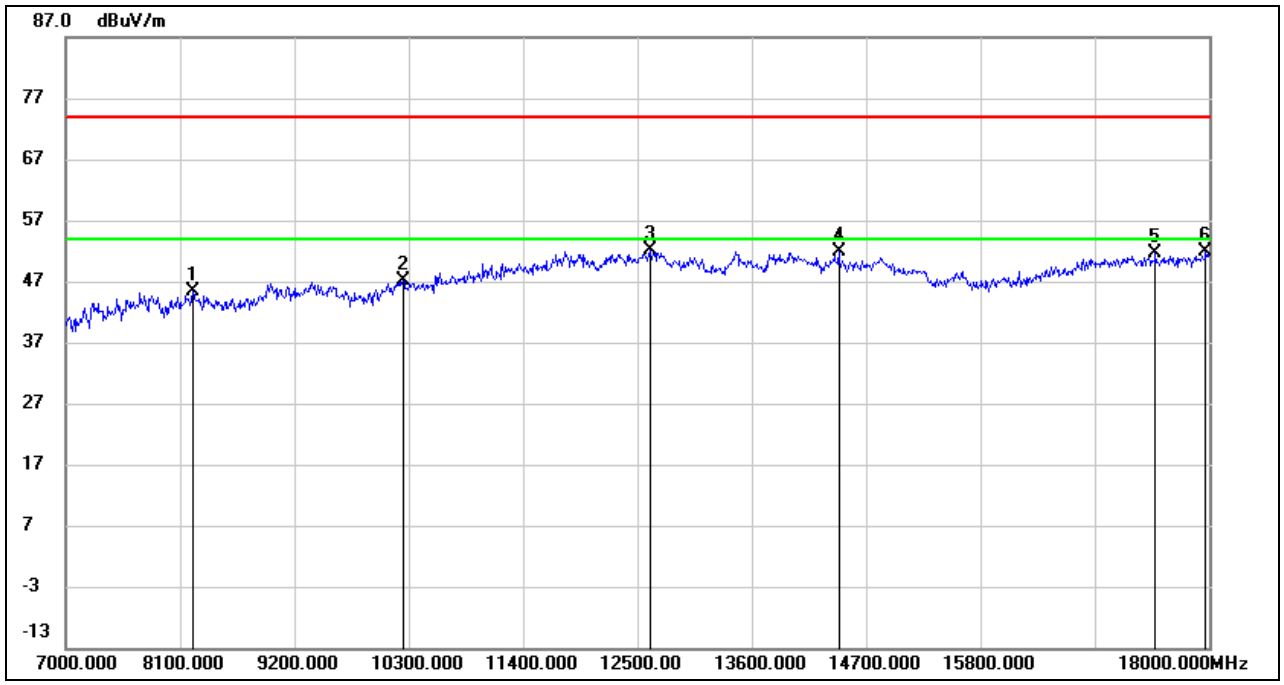
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8287.000	38.40	6.98	45.38	74.00	-28.62	peak
2	8936.000	37.85	8.76	46.61	74.00	-27.39	peak
3	12445.000	35.07	16.95	52.02	74.00	-21.98	peak
4	13908.000	31.84	20.58	52.42	74.00	-21.58	peak
5	16834.000	32.27	18.39	50.66	74.00	-23.34	peak
6	18000.000	27.44	23.68	51.12	74.00	-22.88	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

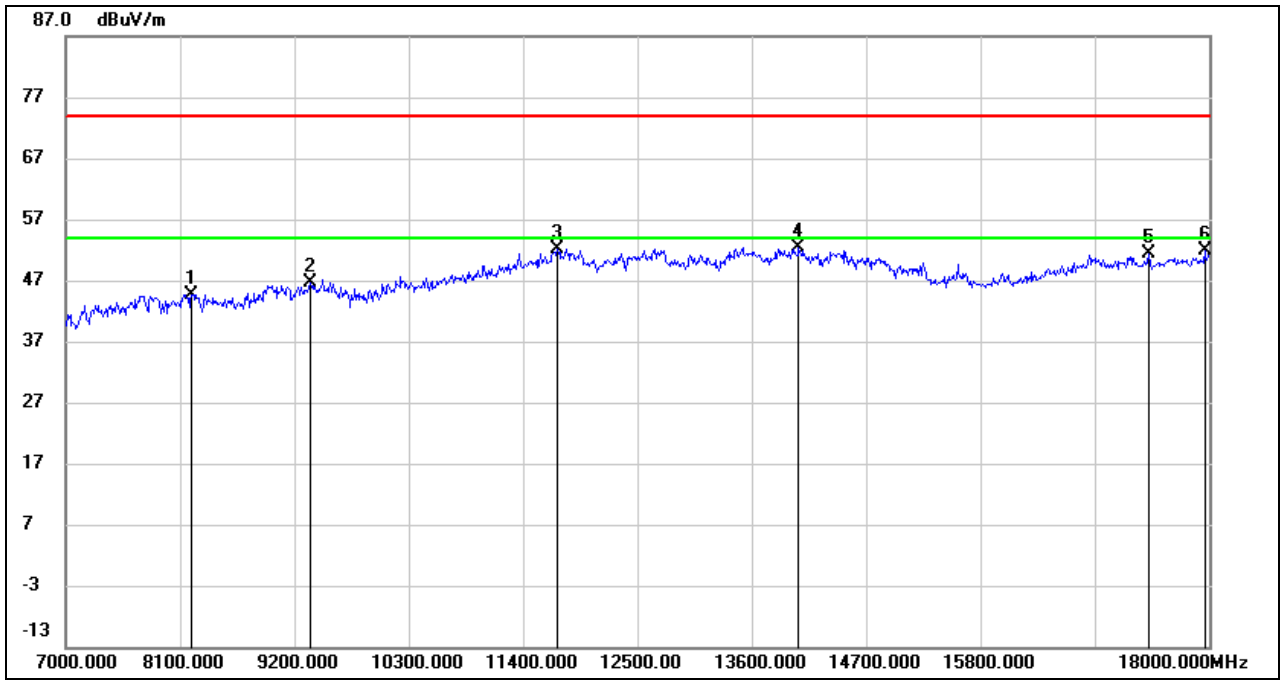
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8221.000	38.17	7.16	45.33	74.00	-28.67	peak
2	10245.000	35.98	11.03	47.01	74.00	-26.99	peak
3	12621.000	35.30	16.86	52.16	74.00	-21.84	peak
4	14436.000	33.12	18.74	51.86	74.00	-22.14	peak
5	17483.000	31.29	20.45	51.74	74.00	-22.26	peak
6	17967.000	28.34	23.59	51.93	74.00	-22.07	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



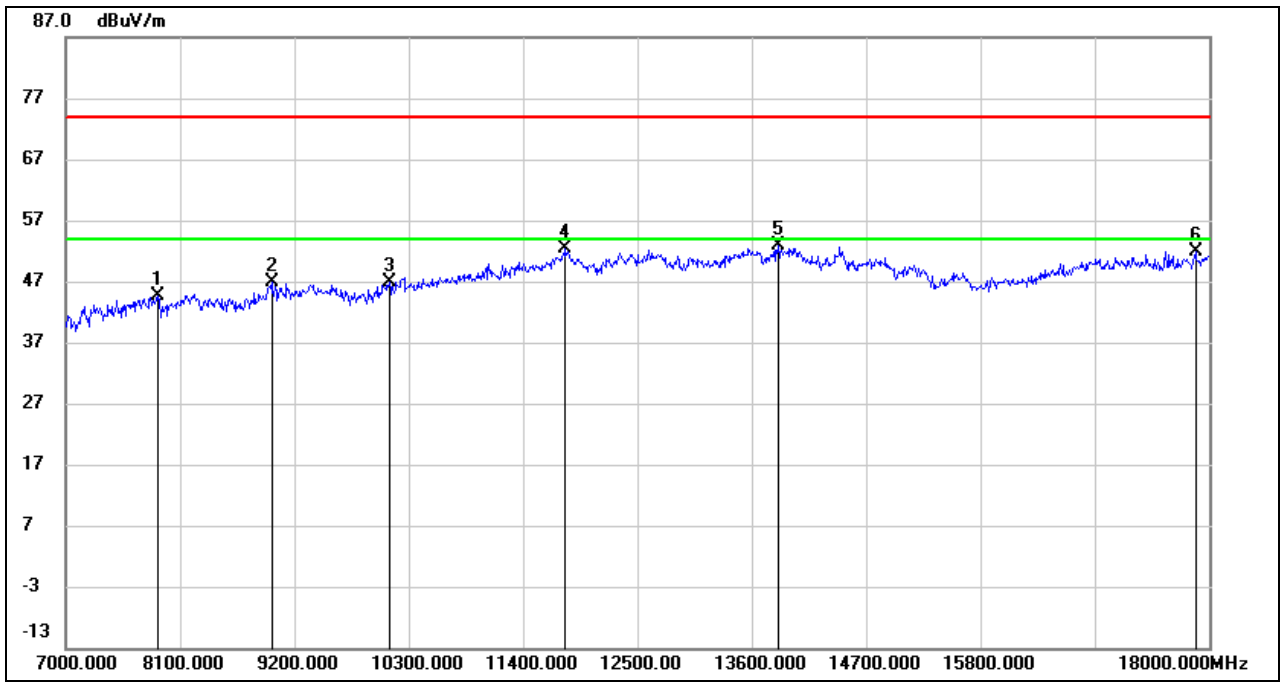
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8210.000	37.53	7.20	44.73	74.00	-29.27	peak
2	9354.000	37.30	9.39	46.69	74.00	-27.31	peak
3	11730.000	35.40	16.77	52.17	74.00	-21.83	peak
4	14051.000	32.09	20.39	52.48	74.00	-21.52	peak
5	17417.000	31.00	20.26	51.26	74.00	-22.74	peak
6	17956.000	28.19	23.57	51.76	74.00	-22.24	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

8.3.1. 802.11ac VHT80 SISO MODE

UNII-1 BAND

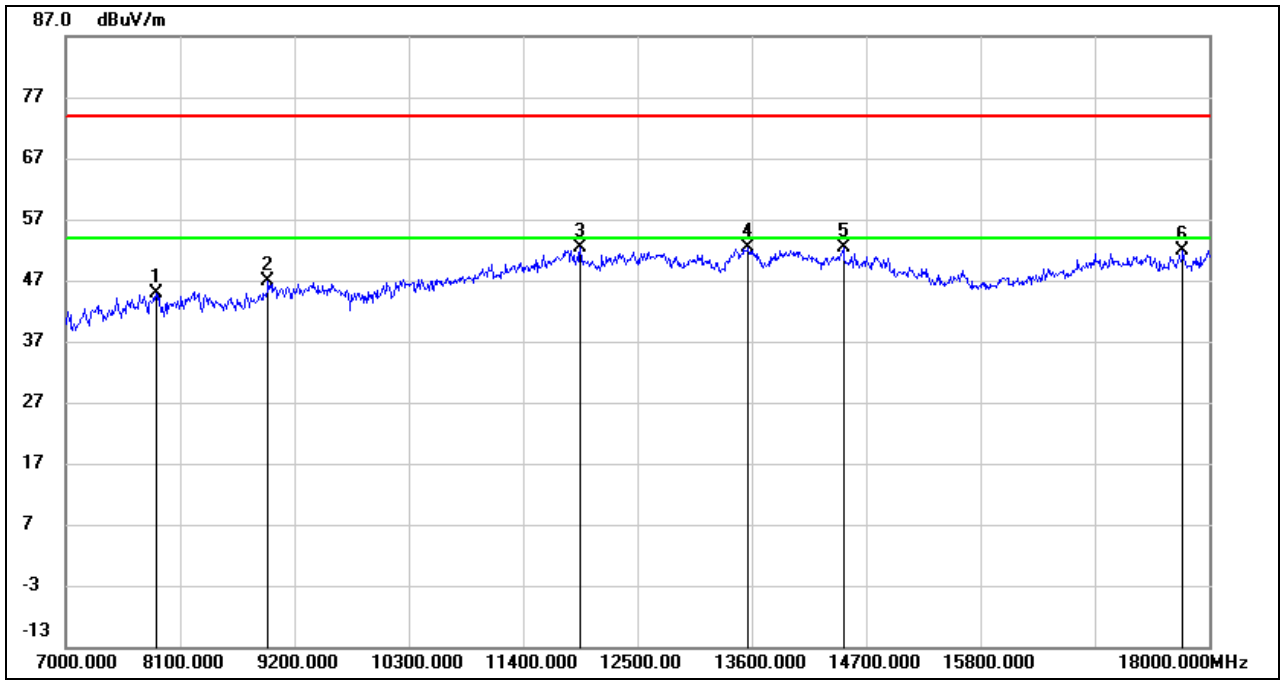
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7880.000	38.93	5.79	44.72	74.00	-29.28	peak
2	8980.000	37.52	9.29	46.81	74.00	-27.19	peak
3	10113.000	36.20	10.78	46.98	74.00	-27.02	peak
4	11807.000	35.09	17.22	52.31	74.00	-21.69	peak
5	13853.000	32.38	20.54	52.92	74.00	-21.08	peak
6	17868.000	28.43	23.36	51.79	74.00	-22.21	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

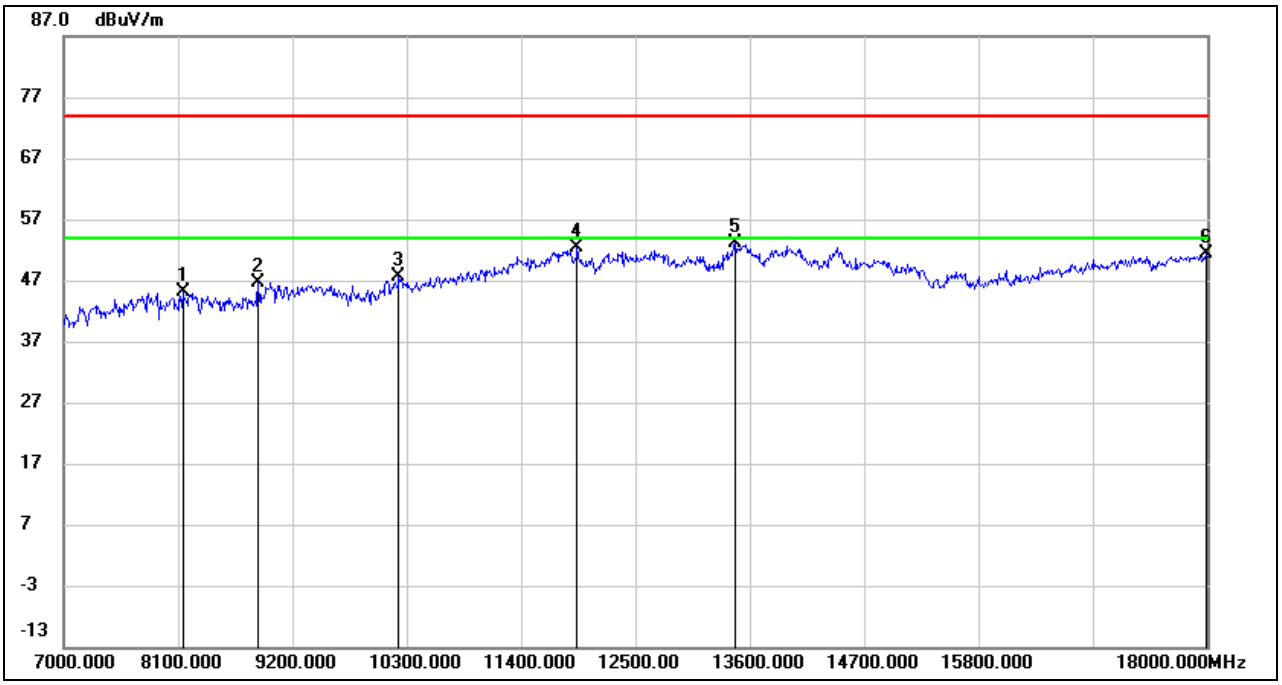


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7869.000	39.11	5.82	44.93	74.00	-29.07	peak
2	8947.000	37.99	8.89	46.88	74.00	-27.12	peak
3	11950.000	35.27	17.13	52.40	74.00	-21.60	peak
4	13567.000	32.61	19.67	52.28	74.00	-21.72	peak
5	14480.000	33.78	18.48	52.26	74.00	-21.74	peak
6	17747.000	29.33	22.64	51.97	74.00	-22.03	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

UNII-2A BAND

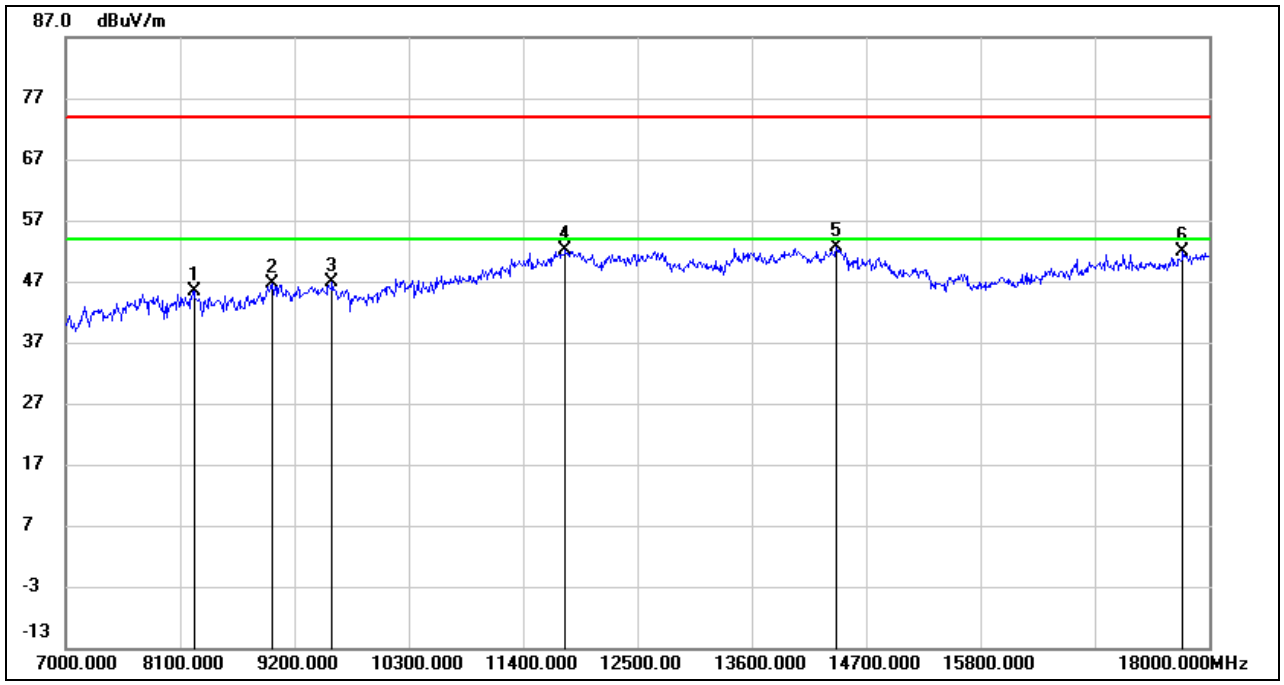
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8144.000	38.46	6.70	45.16	74.00	-28.84	peak
2	8870.000	38.77	7.96	46.73	74.00	-27.27	peak
3	10223.000	36.54	10.98	47.52	74.00	-26.48	peak
4	11939.000	35.12	17.14	52.26	74.00	-21.74	peak
5	13457.000	33.64	19.42	53.06	74.00	-20.94	peak
6	17989.000	27.78	23.65	51.43	74.00	-22.57	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

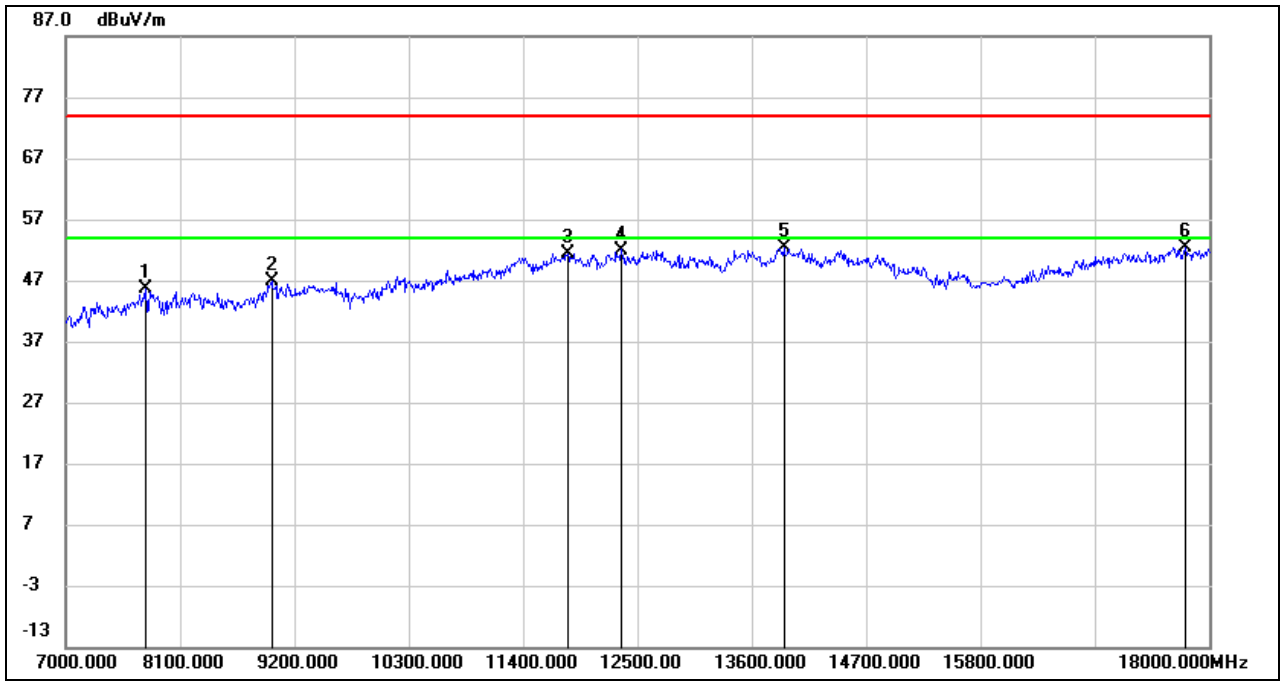


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8232.000	38.24	7.14	45.38	74.00	-28.62	peak
2	8991.000	37.17	9.42	46.59	74.00	-27.41	peak
3	9563.000	36.73	10.05	46.78	74.00	-27.22	peak
4	11807.000	35.01	17.22	52.23	74.00	-21.77	peak
5	14414.000	33.74	18.86	52.60	74.00	-21.40	peak
6	17747.000	29.26	22.64	51.90	74.00	-22.10	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

UNII-2C BAND

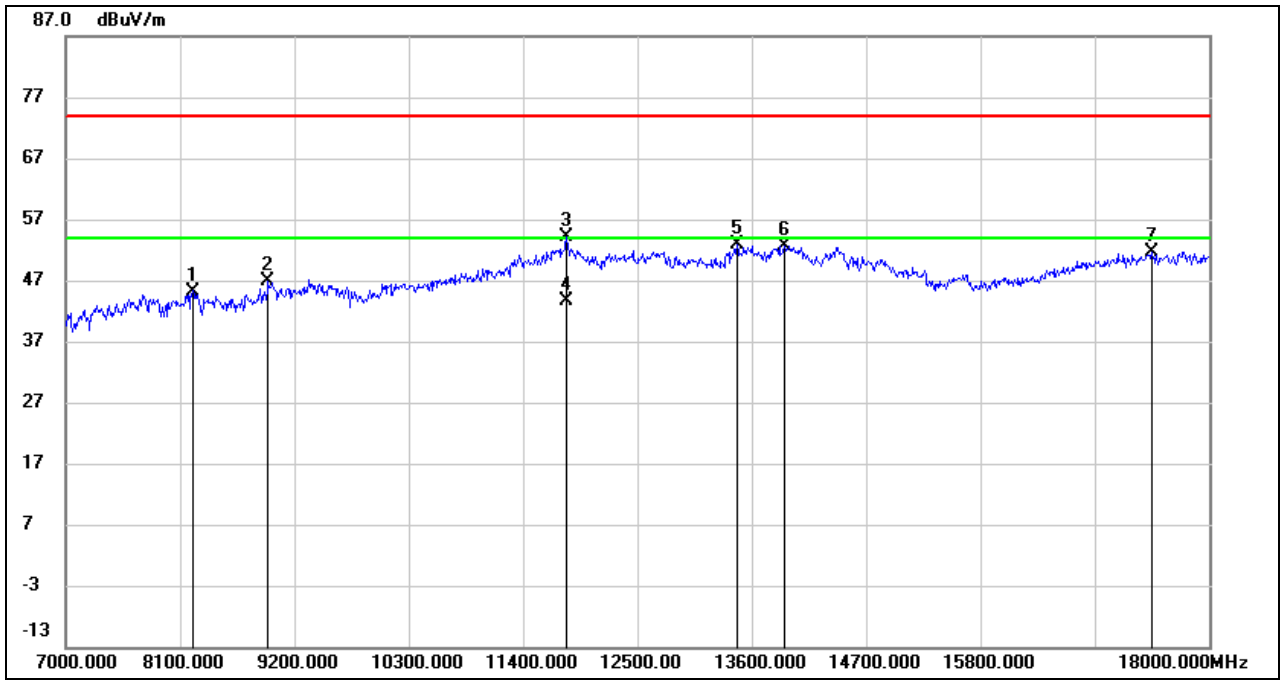
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7770.000	39.67	5.98	45.65	74.00	-28.35	peak
2	8980.000	37.50	9.29	46.79	74.00	-27.21	peak
3	11829.000	34.28	17.20	51.48	74.00	-22.52	peak
4	12346.000	35.03	16.97	52.00	74.00	-22.00	peak
5	13908.000	31.89	20.58	52.47	74.00	-21.53	peak
6	17769.000	29.46	22.86	52.32	74.00	-21.68	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

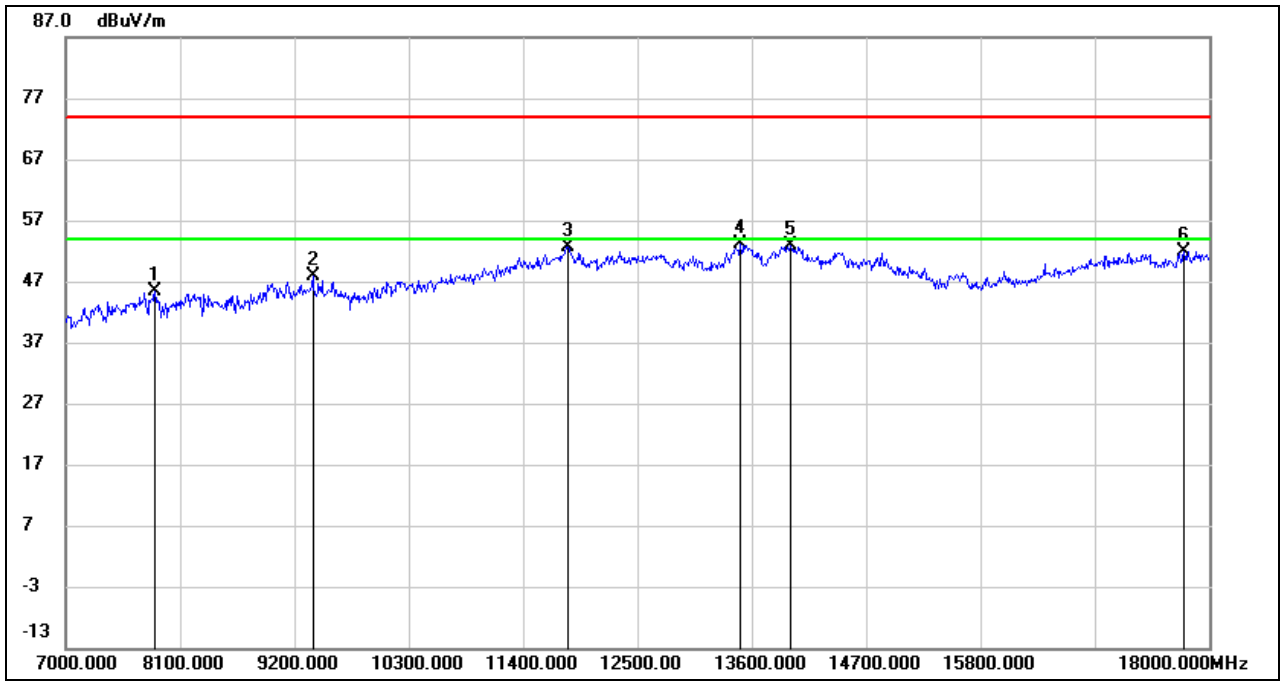
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8221.000	38.09	7.16	45.25	74.00	-28.75	peak
2	8947.000	37.94	8.89	46.83	74.00	-27.17	peak
3	11818.000	36.95	17.20	54.15	74.00	-19.85	peak
4	11818.000	26.45	17.20	43.65	54.00	-10.35	AVG
5	13457.000	33.43	19.42	52.85	74.00	-21.15	peak
6	13908.000	32.16	20.58	52.74	74.00	-21.26	peak
7	17450.000	31.27	20.36	51.63	74.00	-22.37	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
5. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
6. Proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

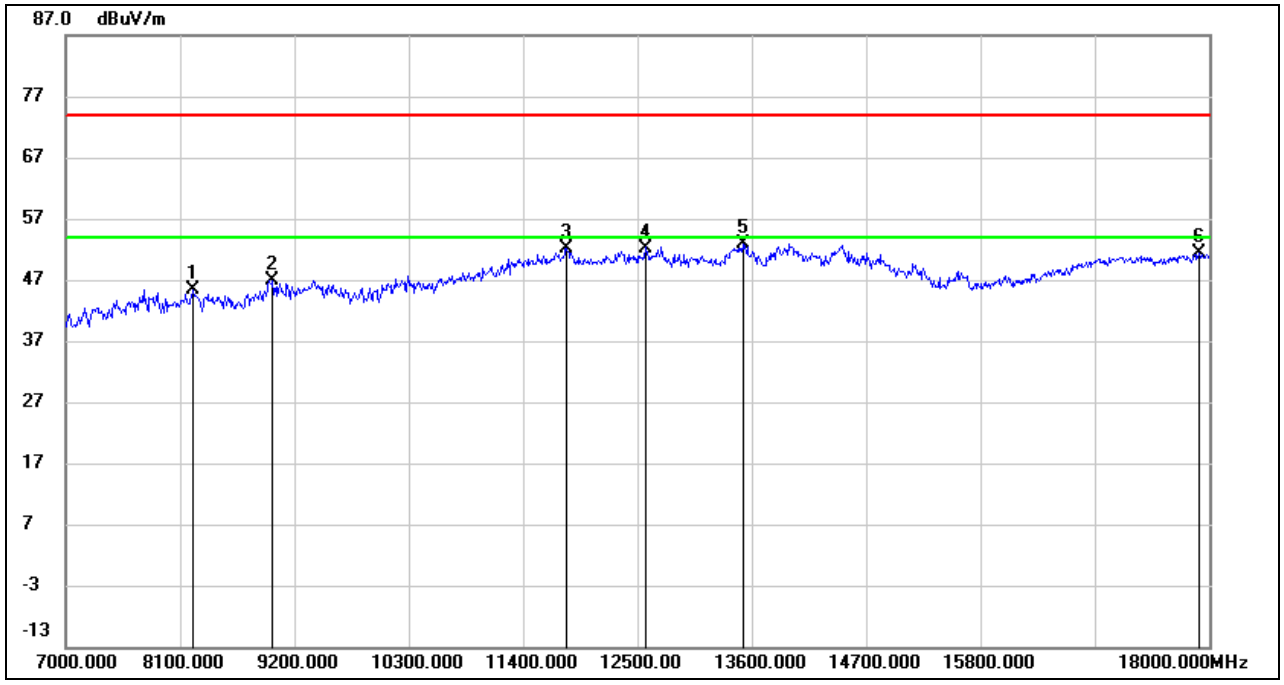
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7858.000	39.42	5.86	45.28	74.00	-28.72	peak
2	9376.000	38.37	9.53	47.90	74.00	-26.10	peak
3	11829.000	35.43	17.20	52.63	74.00	-21.37	peak
4	13490.000	33.57	19.55	53.12	74.00	-20.88	peak
5	13974.000	32.35	20.63	52.98	74.00	-21.02	peak
6	17758.000	29.13	22.75	51.88	74.00	-22.12	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

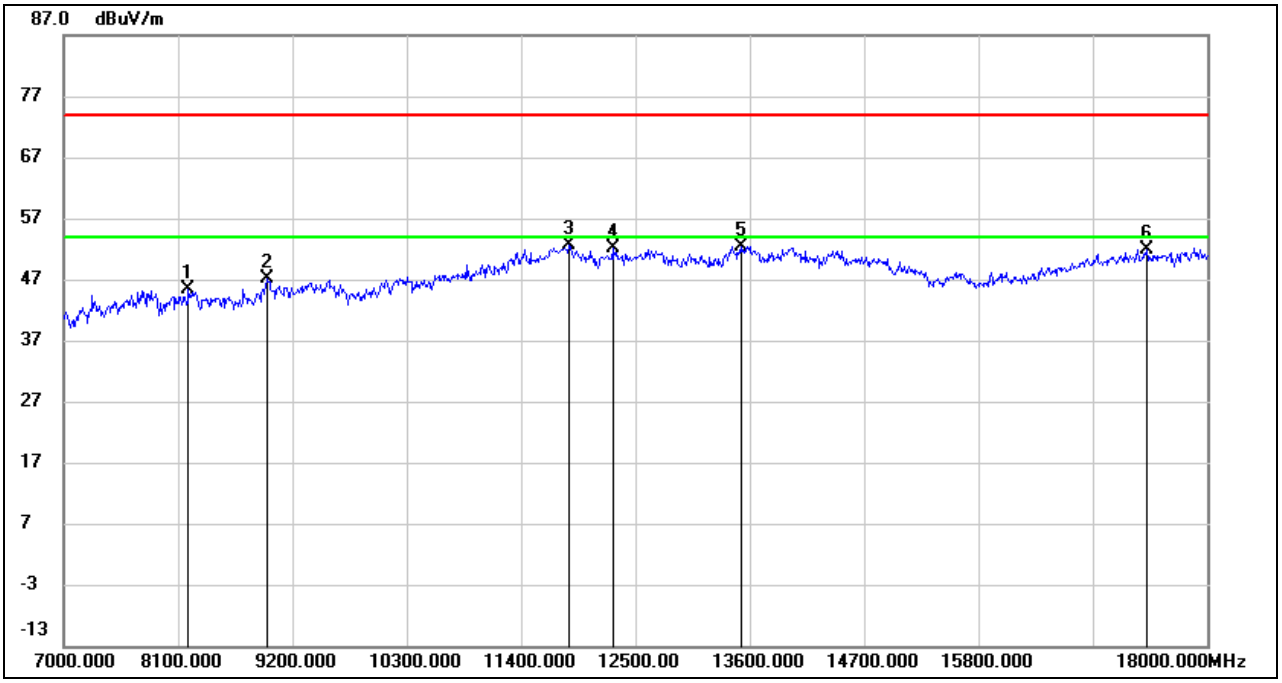


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8221.000	38.18	7.16	45.34	74.00	-28.66	peak
2	8991.000	37.39	9.42	46.81	74.00	-27.19	peak
3	11818.000	34.97	17.20	52.17	74.00	-21.83	peak
4	12577.000	35.43	16.82	52.25	74.00	-21.75	peak
5	13512.000	33.31	19.61	52.92	74.00	-21.08	peak
6	17901.000	27.84	23.44	51.28	74.00	-22.72	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

STRADDLE CHANNEL 138

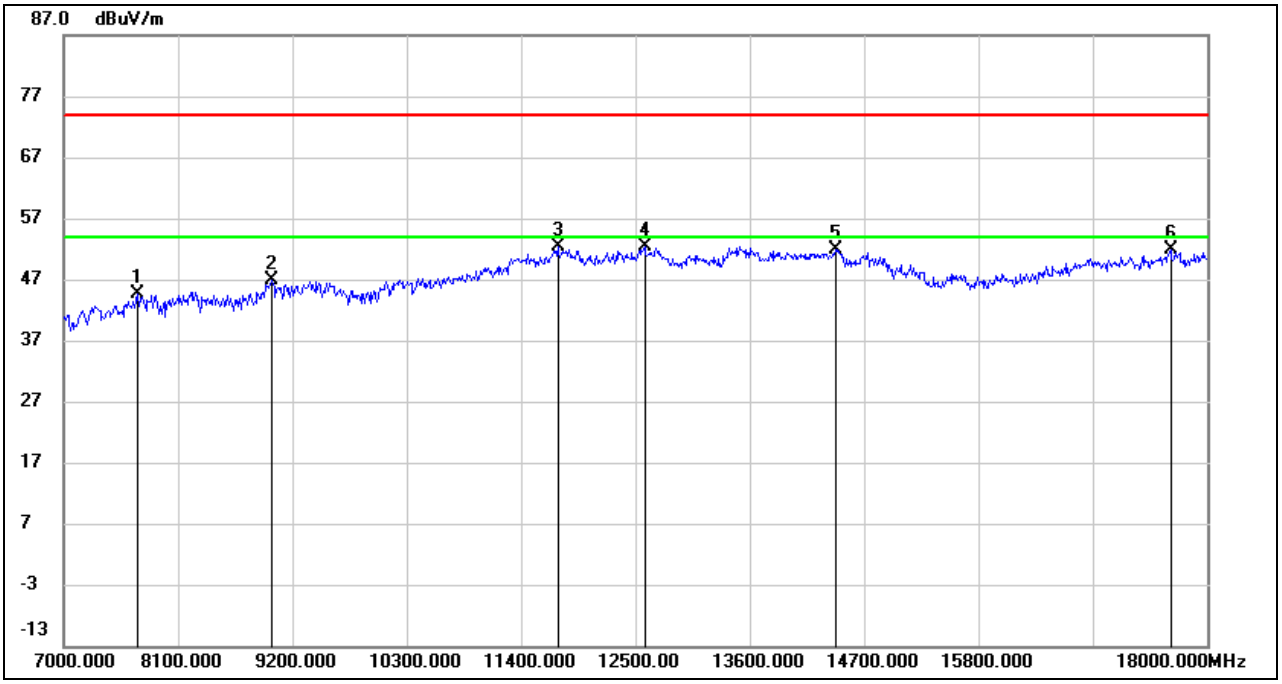
HARMONICS AND SPURIOUS EMISSIONS (HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8199.000	38.07	7.22	45.29	74.00	-28.71	peak
2	8958.000	38.14	9.02	47.16	74.00	-26.84	peak
3	11862.000	35.39	17.19	52.58	74.00	-21.42	peak
4	12280.000	35.21	16.87	52.08	74.00	-21.92	peak
5	13512.000	32.78	19.61	52.39	74.00	-21.61	peak
6	17417.000	31.70	20.26	51.96	74.00	-22.04	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

HARMONICS AND SPURIOUS EMISSIONS (VERTICAL)

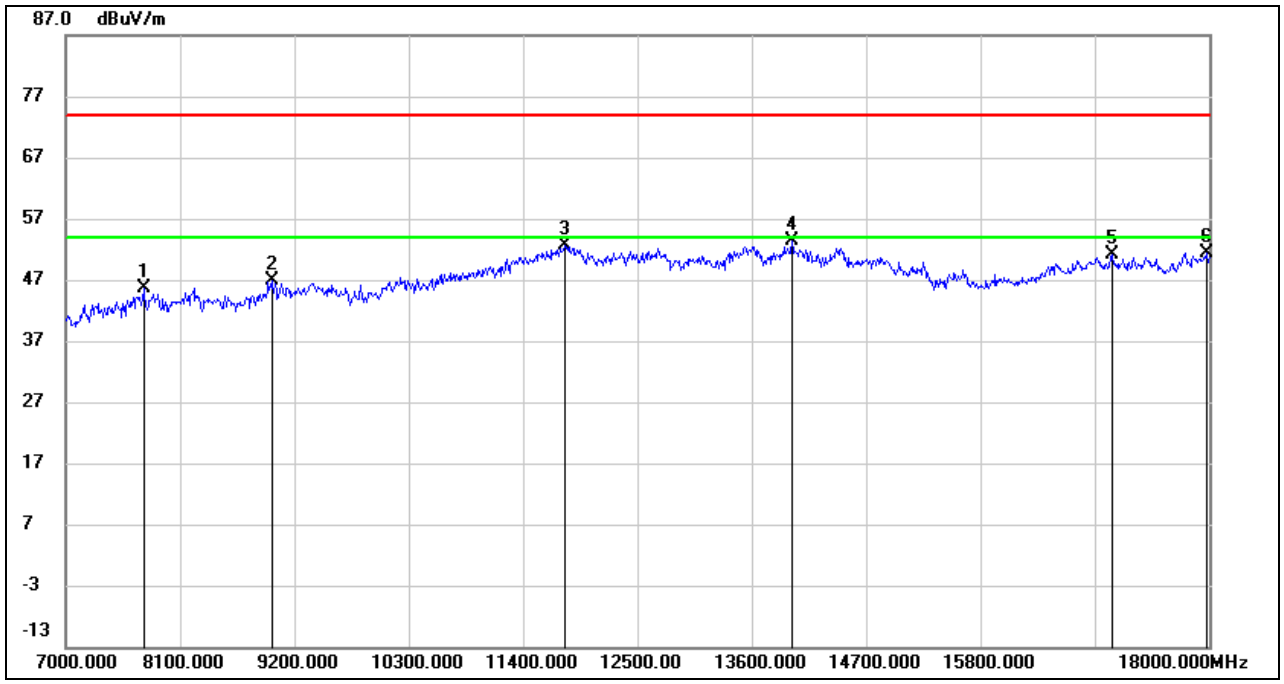


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7704.000	38.85	5.77	44.62	74.00	-29.38	peak
2	9002.000	37.42	9.51	46.93	74.00	-27.07	peak
3	11752.000	35.37	16.92	52.29	74.00	-21.71	peak
4	12588.000	35.53	16.81	52.34	74.00	-21.66	peak
5	14425.000	33.15	18.79	51.94	74.00	-22.06	peak
6	17648.000	30.18	21.62	51.80	74.00	-22.20	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

UNII-3 BAND

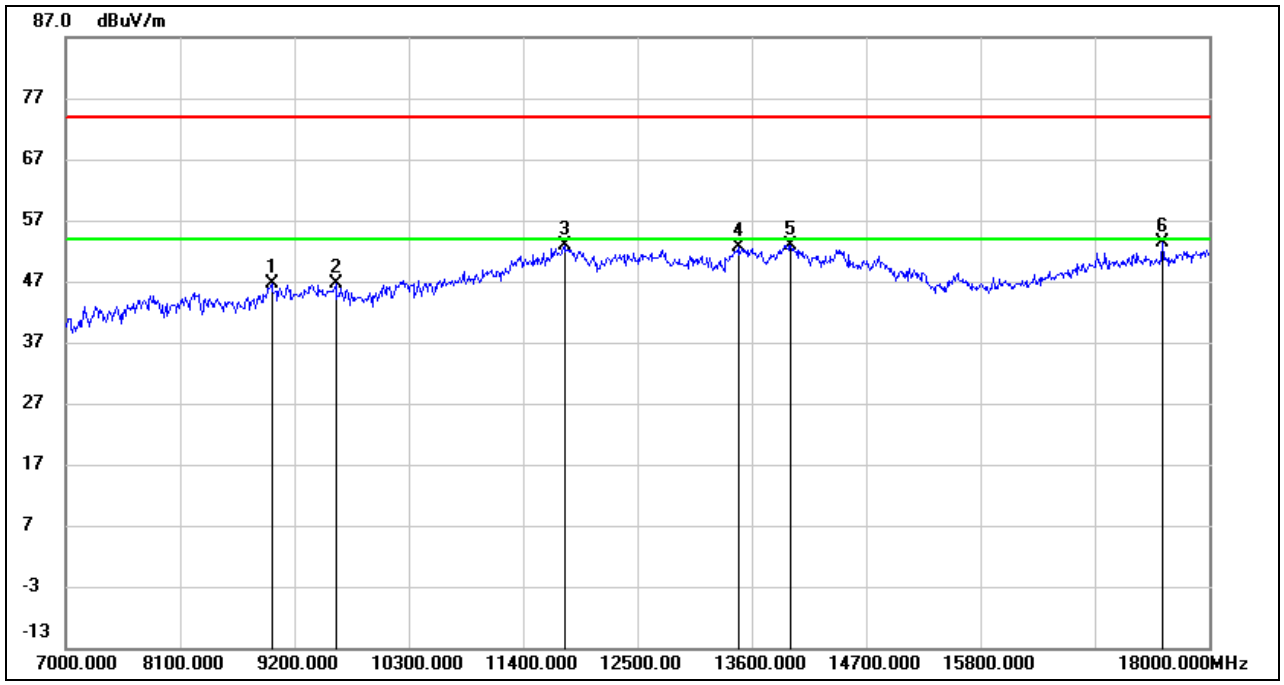
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7748.000	39.76	5.92	45.68	74.00	-28.32	peak
2	8980.000	37.56	9.29	46.85	74.00	-27.15	peak
3	11807.000	35.35	17.22	52.57	74.00	-21.43	peak
4	13985.000	32.71	20.63	53.34	74.00	-20.66	peak
5	17065.000	31.85	19.34	51.19	74.00	-22.81	peak
6	17978.000	27.86	23.63	51.49	74.00	-22.51	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



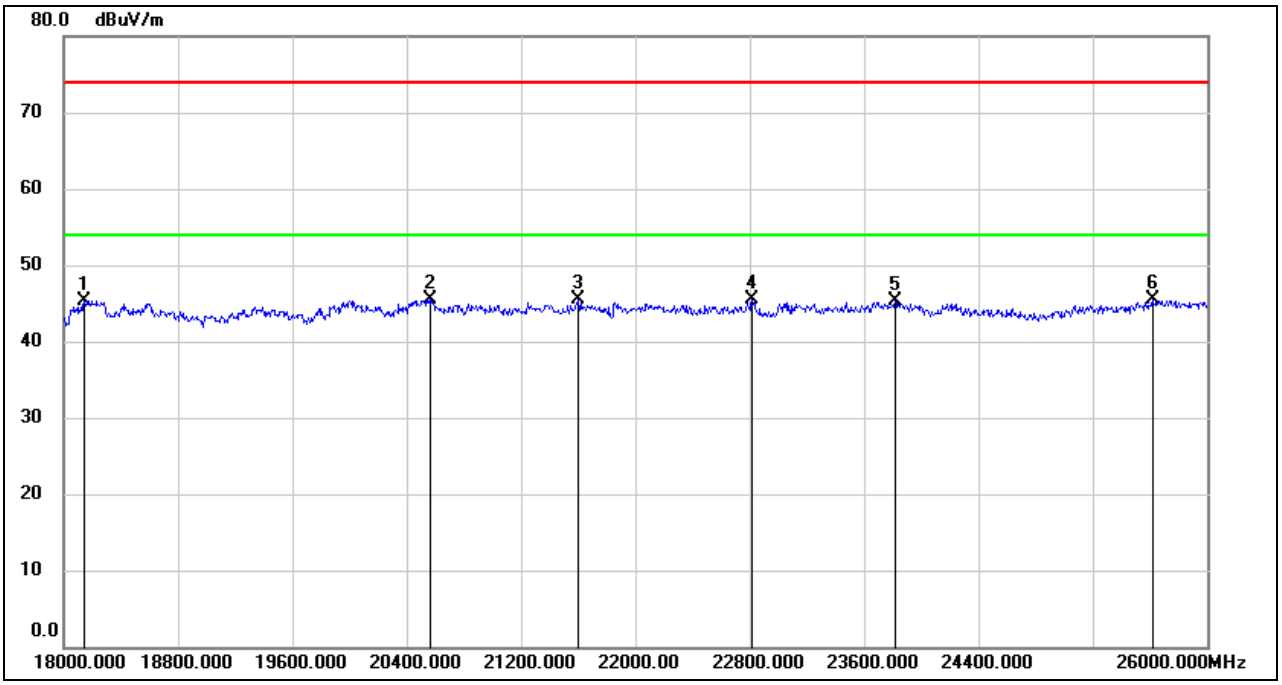
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8980.000	37.27	9.29	46.56	74.00	-27.44	peak
2	9596.000	36.55	10.13	46.68	74.00	-27.32	peak
3	11796.000	35.60	17.19	52.79	74.00	-21.21	peak
4	13479.000	33.12	19.50	52.62	74.00	-21.38	peak
5	13974.000	32.35	20.63	52.98	74.00	-21.02	peak
6	17549.000	32.55	20.80	53.35	74.00	-20.65	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

8.4. SPURIOUS EMISSIONS (18 GHz ~ 26 GHz)

8.4.1. 802.11a 20 MODE

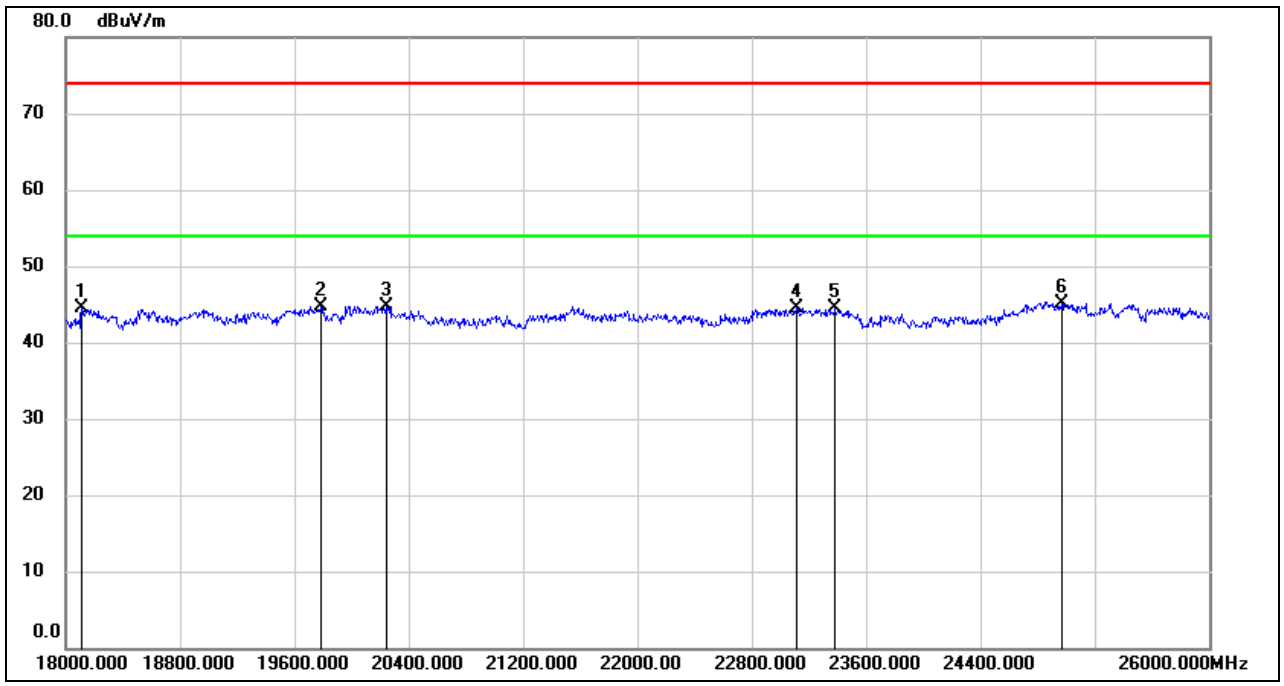
SPURIOUS EMISSIONS (UNII-3 BAND HIGH CHANNEL, HORIZONTAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18144.000	50.77	-5.48	45.29	74.00	-28.71	peak
2	20560.000	50.73	-5.30	45.43	74.00	-28.57	peak
3	21600.000	50.02	-4.54	45.48	74.00	-28.52	peak
4	22816.000	49.16	-3.63	45.53	74.00	-28.47	peak
5	23816.000	48.39	-3.08	45.31	74.00	-28.69	peak
6	25616.000	46.68	-1.24	45.44	74.00	-28.56	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

SPURIOUS EMISSIONS (UNII-3 BAND HIGH CHANNEL, VERTICAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18112.000	49.96	-5.47	44.49	74.00	-29.51	peak
2	19784.000	50.07	-5.28	44.79	74.00	-29.21	peak
3	20240.000	50.32	-5.61	44.71	74.00	-29.29	peak
4	23112.000	47.87	-3.41	44.46	74.00	-29.54	peak
5	23384.000	47.70	-3.24	44.46	74.00	-29.54	peak
6	24968.000	47.26	-2.14	45.12	74.00	-28.88	peak

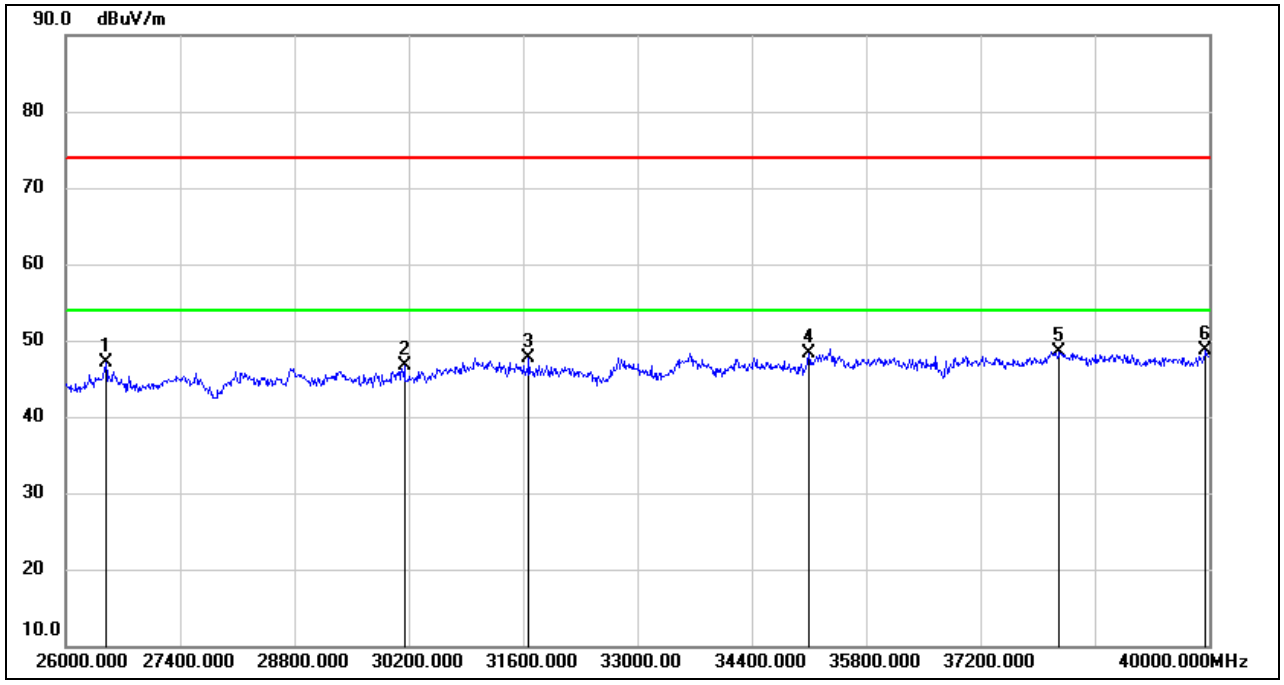
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

Note: All the modes had been tested, but only the worst data was recorded in the report.

8.5. SPURIOUS EMISSIONS (26 GHz ~ 40 GHz)

8.5.1. 802.11a 20 MODE

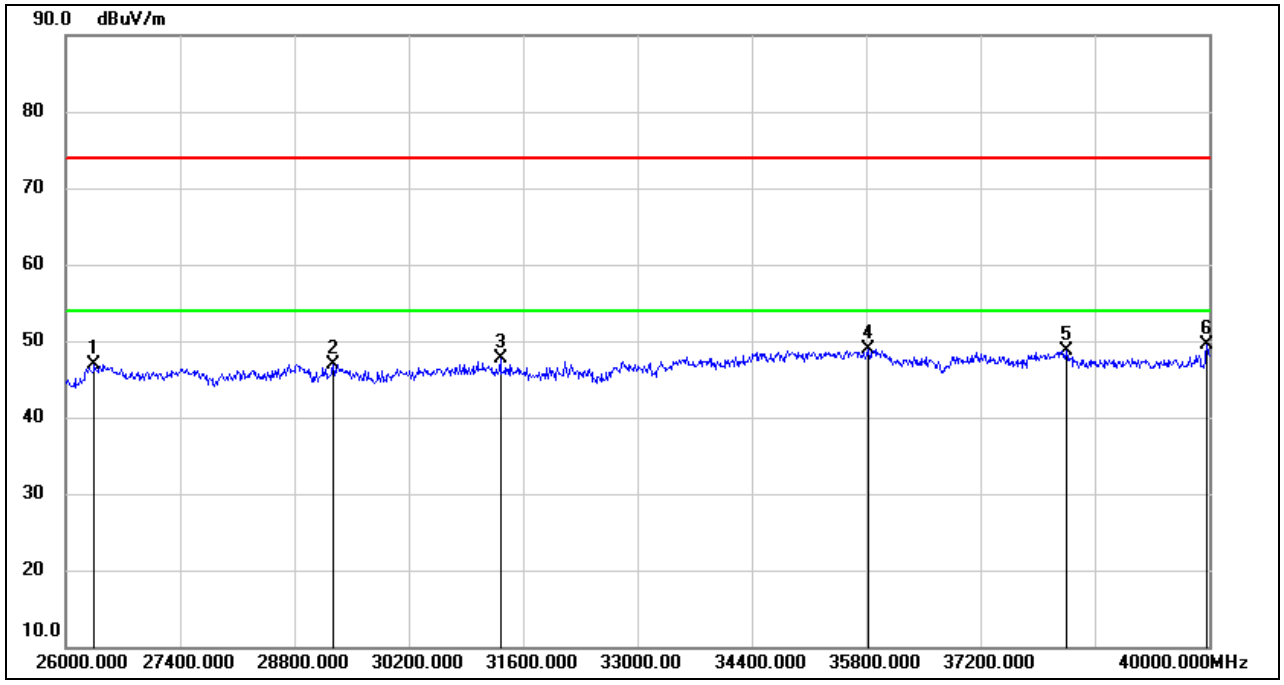
SPURIOUS EMISSIONS (UNII-3 BAND HIGH CHANNEL, HORIZONTAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	26490.000	51.79	-4.74	47.05	74.00	-26.95	peak
2	30144.000	47.96	-1.30	46.66	74.00	-27.34	peak
3	31670.000	48.86	-1.21	47.65	74.00	-26.35	peak
4	35100.000	46.44	1.85	48.29	74.00	-25.71	peak
5	38166.000	44.92	3.66	48.58	74.00	-25.42	peak
6	39958.000	43.58	5.12	48.70	74.00	-25.30	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

SPURIOUS EMISSIONS (UNII-3 BAND HIGH CHANNEL, VERTICAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	26350.000	52.00	-5.11	46.89	74.00	-27.11	peak
2	29276.000	48.01	-1.01	47.00	74.00	-27.00	peak
3	31320.000	48.61	-0.93	47.68	74.00	-26.32	peak
4	35828.000	45.25	3.67	48.92	74.00	-25.08	peak
5	38250.000	44.84	3.86	48.70	74.00	-25.30	peak
6	39972.000	44.45	5.13	49.58	74.00	-24.42	peak

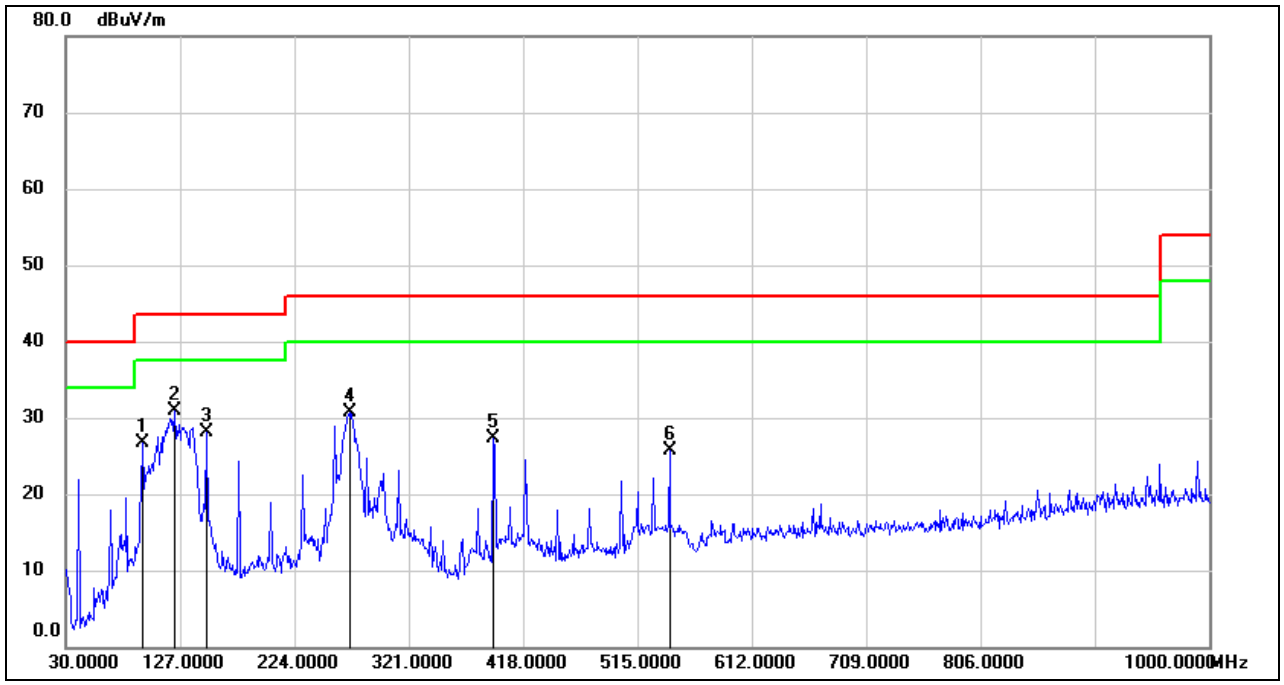
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

Note: All the modes had been tested, but only the worst data was recorded in the report.

8.6. SPURIOUS EMISSIONS (30 MHz ~ 1 GHz)

8.6.1. 802.11a 20 MODE

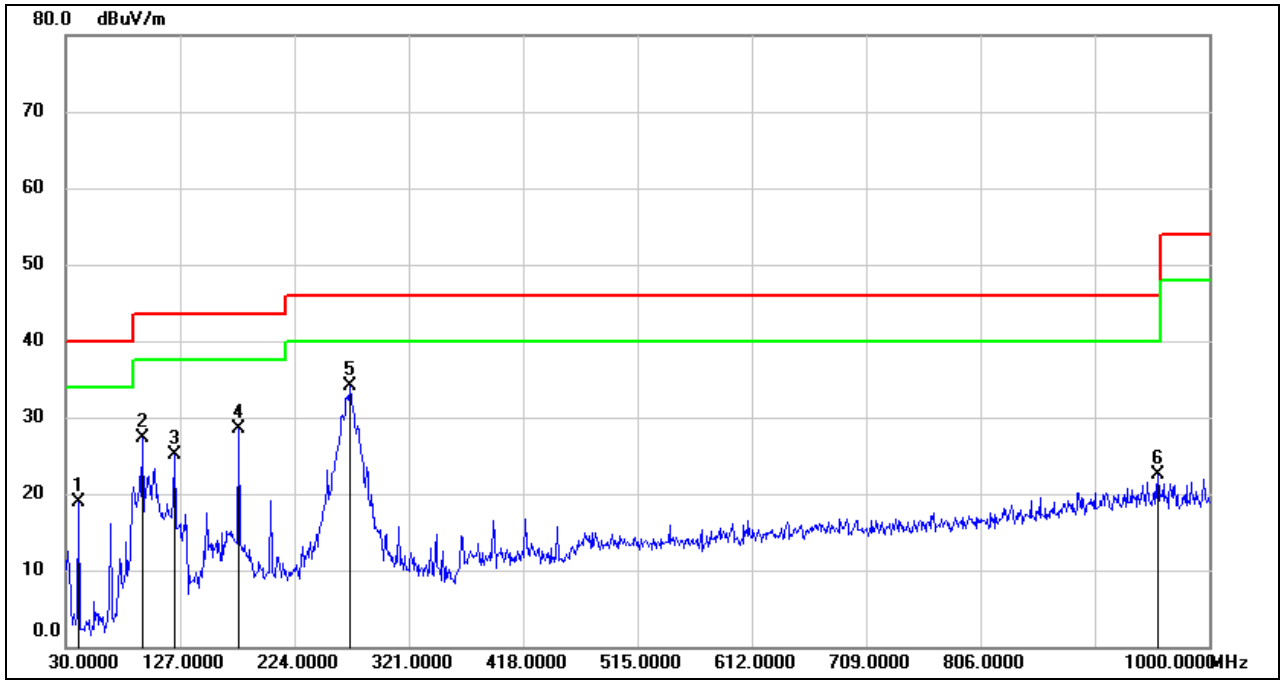
SPURIOUS EMISSIONS (UNII-3 BAND HIGH CHANNEL, HORIZONTAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	94.9900	48.17	-21.51	26.66	43.50	-16.84	QP
2	122.1500	50.68	-19.75	30.93	43.50	-12.57	QP
3	149.3100	46.43	-18.30	28.13	43.50	-15.37	QP
4	270.5600	48.31	-17.69	30.62	46.00	-15.38	QP
5	392.7800	40.68	-13.46	27.22	46.00	-18.78	QP
6	542.1599	36.19	-10.49	25.70	46.00	-20.30	QP

Note: 1. Result Level = Read Level + Correct Factor.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

SPURIOUS EMISSIONS (UNII-3 BAND HIGH CHANNEL, VERTICAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	40.6699	39.05	-20.05	19.00	40.00	-21.00	QP
2	94.9900	48.79	-21.51	27.28	43.50	-16.22	QP
3	122.1500	44.92	-19.75	25.17	43.50	-18.33	QP
4	176.4700	45.45	-17.02	28.43	43.50	-15.07	QP
5	271.5300	51.67	-17.58	34.09	46.00	-11.91	QP
6	956.3500	27.06	-4.49	22.57	46.00	-23.43	QP

Note: 1. Result Level = Read Level + Correct Factor.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto

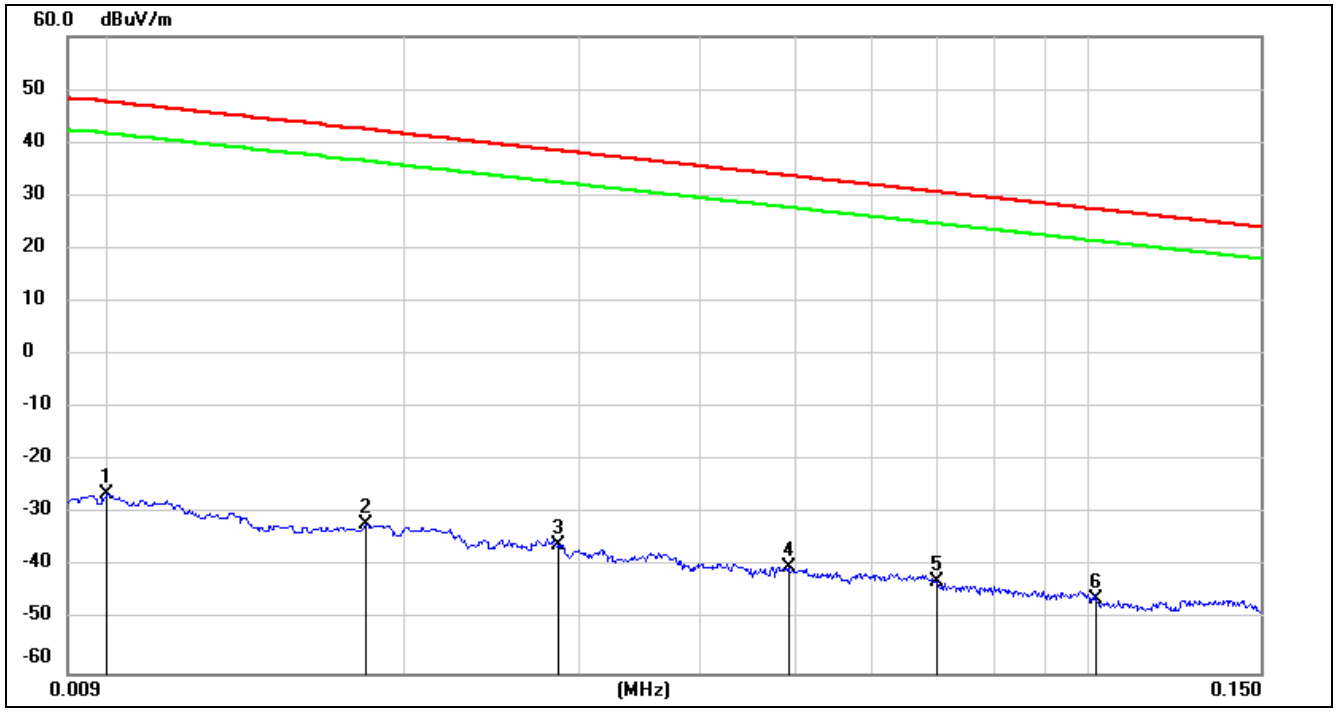
Note: All the modes had been tested, but only the worst data was recorded in the report.

8.7. SPURIOUS EMISSIONS BELOW 30 MHz

8.7.1. 802.11a 20 MODE

SPURIOUS EMISSIONS (UNII-3 BAND HIGH CHANNEL, LOOP ANTENNA FACE ON TO THE EUT, WORST-CASE CONFIGURATION)

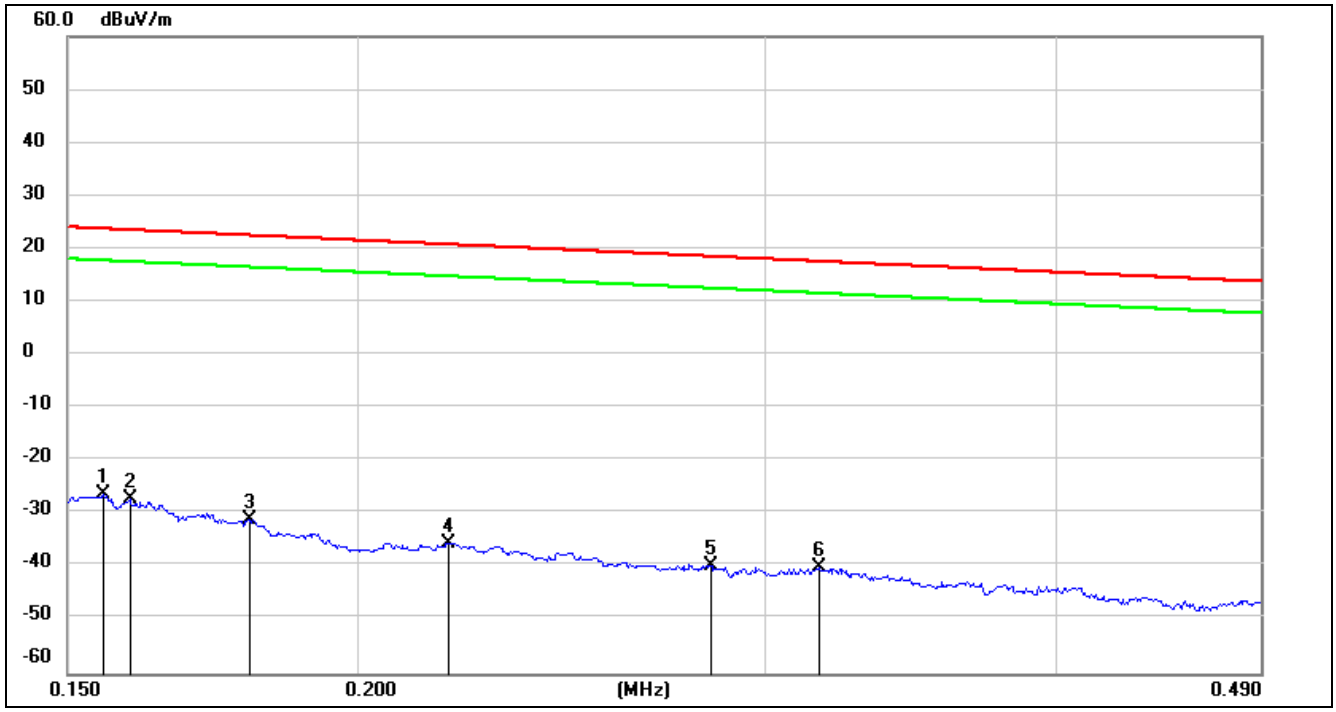
9 kHz ~ 150 kHz



No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.0100	75.22	-101.40	-26.18	47.6	-77.68	-3.90	-73.78	peak
2	0.0182	69.35	-101.36	-32.01	42.4	-83.51	-9.10	-74.41	peak
3	0.0286	65.46	-101.38	-35.92	38.47	-87.42	-13.03	-74.39	peak
4	0.0492	61.55	-101.47	-39.92	33.76	-91.42	-17.74	-73.68	peak
5	0.0700	58.84	-101.57	-42.73	30.7	-94.23	-20.80	-73.43	peak
6	0.1019	55.85	-101.79	-45.94	27.44	-97.44	-24.06	-73.38	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
4. dBuA/m = dBuV/m – 20log10(120π) = dBuV/m -51.5.

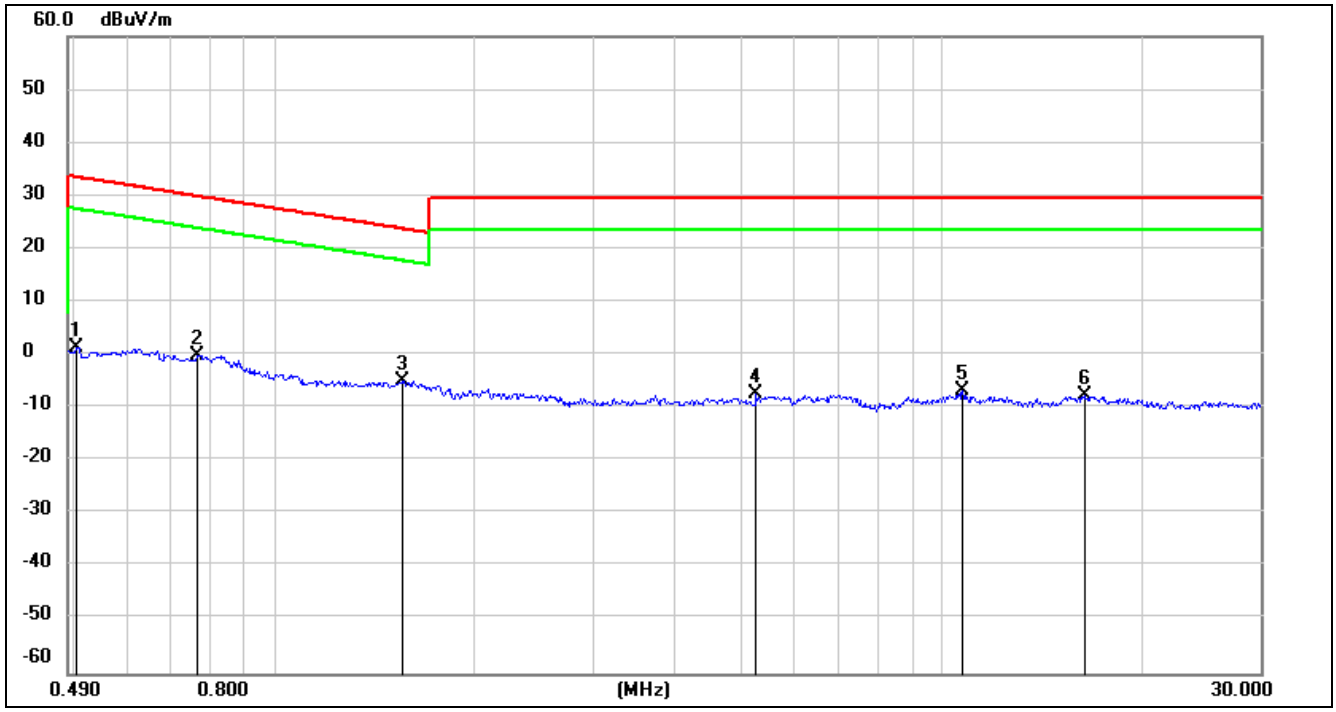
150 kHz ~ 490 kHz



No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.1554	75.27	-101.65	-26.38	23.77	-77.88	-27.73	-50.15	peak
2	0.1595	74.36	-101.65	-27.29	23.55	-78.79	-27.95	-50.84	peak
3	0.1800	70.65	-101.68	-31.03	22.5	-82.53	-29.00	-53.53	peak
4	0.2190	66.27	-101.75	-35.48	20.79	-86.98	-30.71	-56.27	peak
5	0.2837	62.22	-101.83	-39.61	18.54	-91.11	-32.96	-58.15	peak
6	0.3163	61.70	-101.87	-40.17	17.6	-91.67	-33.90	-57.77	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
4. dBuA/m = dBuV/m – 20log10(120π) = dBuV/m -51.5.

490 kHz ~ 30 MHz



No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.5039	63.43	-62.07	1.36	33.56	-50.14	-17.94	-32.20	peak
2	0.7641	61.92	-62.12	-0.2	29.94	-51.70	-21.56	-30.14	peak
3	1.5564	57.18	-62.02	-4.84	23.76	-56.34	-27.74	-28.60	peak
4	5.2705	54.04	-61.45	-7.41	29.54	-58.91	-21.96	-36.95	peak
5	10.7299	53.98	-60.83	-6.85	29.54	-58.35	-21.96	-36.39	peak
6	16.3959	53.17	-60.96	-7.79	29.54	-59.29	-21.96	-37.33	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
4. dBuA/m = dBuV/m – 20log10(120π) = dBuV/m -51.5.

Note: All the modes had been tested, but only the worst data was recorded in the report.

9. AC POWER LINE CONDUCTED EMISSIONS

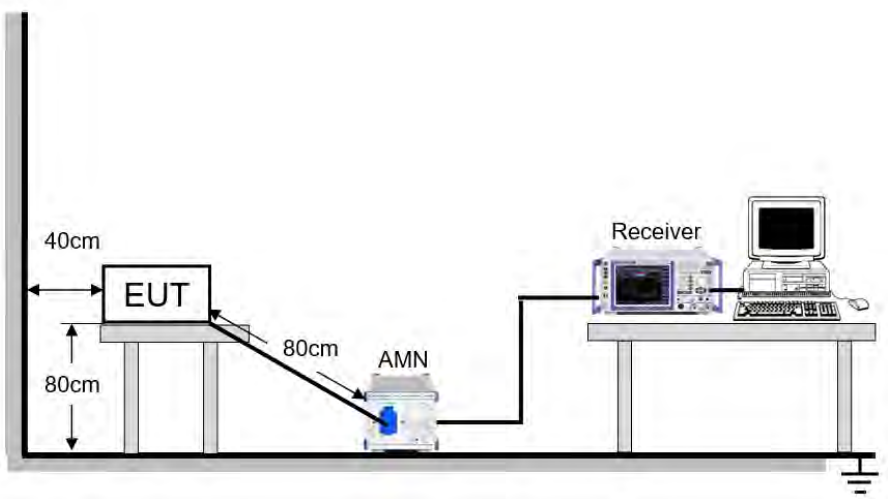
LIMITS

Please refer to CFR 47 FCC §15.207 (a).

FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

TEST SETUP AND PROCEDURE

Refer to ANSI C63.10-2013 clause 6.2.



The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013.Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

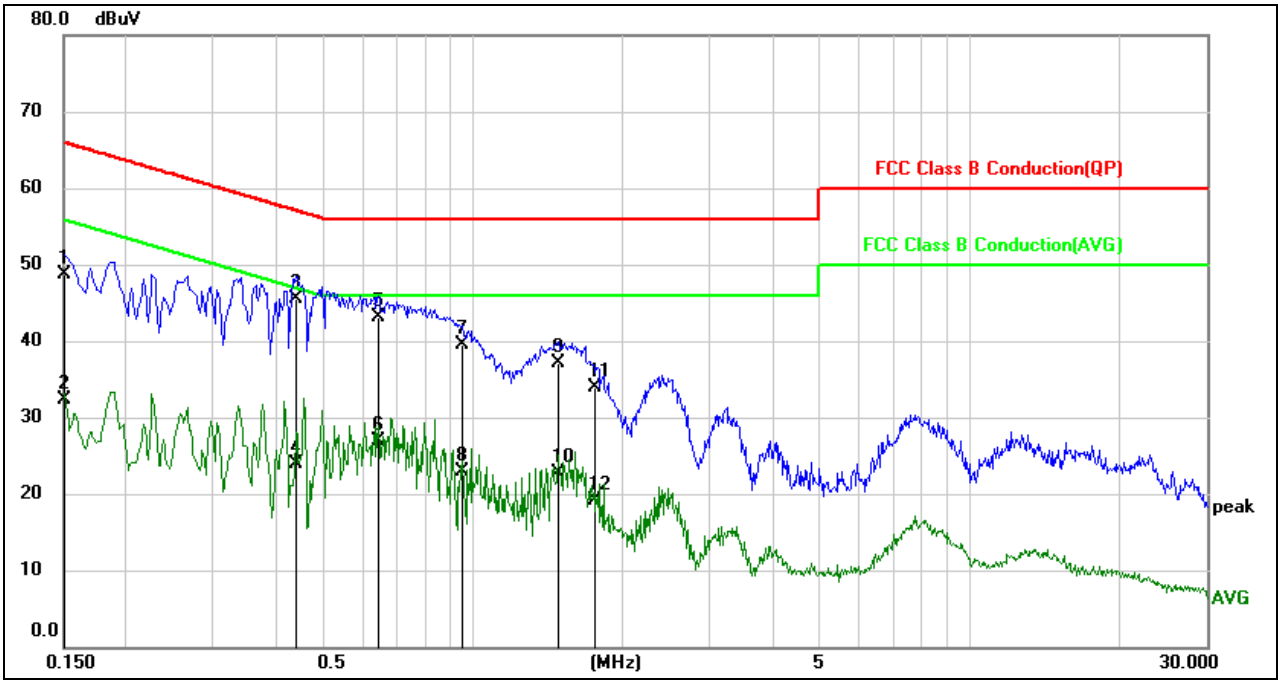
TEST ENVIRONMENT

Temperature	20.5 °C	Relative Humidity	51.7 %
Atmosphere Pressure	101 kPa	Test Voltage	AC 120 V/ 60 Hz

RESULTS

9.1.1. 802.11a 20 MODE

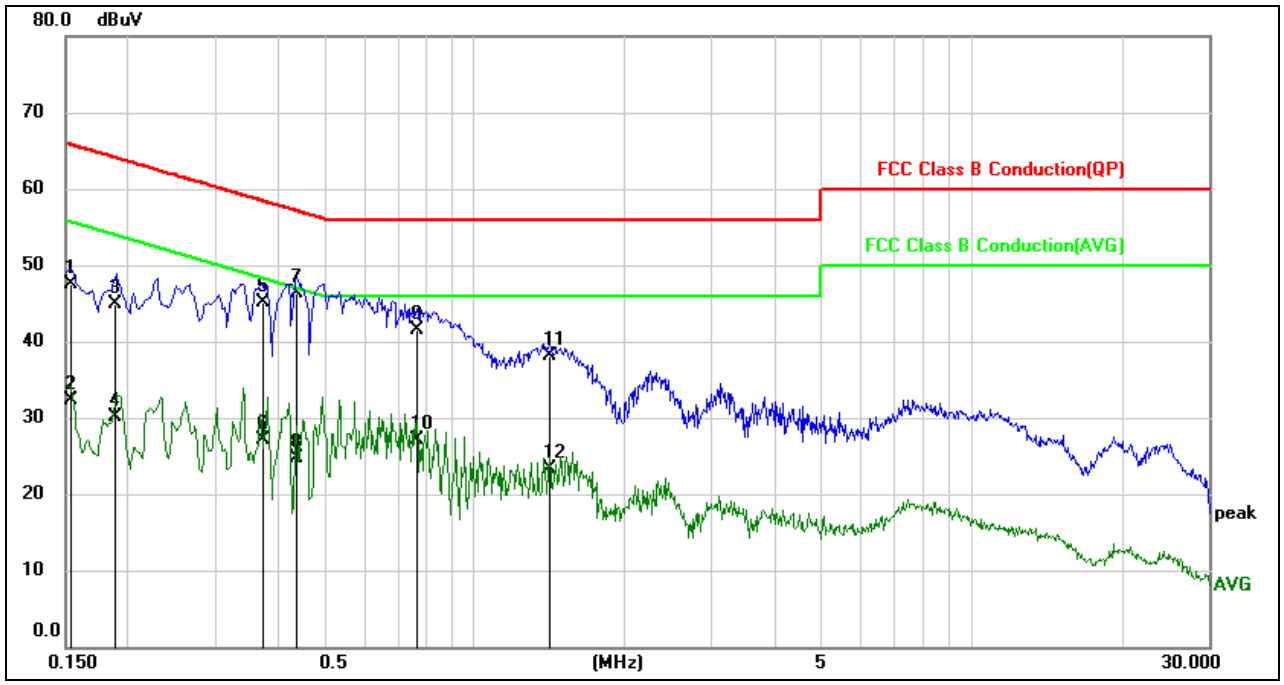
LINE N RESULTS (UNII-3 BAND HIGH CHANNEL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1504	39.13	9.59	48.72	65.98	-17.26	QP
2	0.1504	22.64	9.59	32.23	55.98	-23.75	AVG
3	0.4381	36.18	9.36	45.54	57.10	-11.56	QP
4	0.4381	14.57	9.36	23.93	47.10	-23.17	AVG
5	0.6493	33.57	9.52	43.09	56.00	-12.91	QP
6	0.6493	17.45	9.52	26.97	46.00	-19.03	AVG
7	0.9495	29.94	9.61	39.55	56.00	-16.45	QP
8	0.9495	13.30	9.61	22.91	46.00	-23.09	AVG
9	1.4891	27.56	9.62	37.18	56.00	-18.82	QP
10	1.4891	13.05	9.62	22.67	46.00	-23.33	AVG
11	1.7566	24.29	9.62	33.91	56.00	-22.09	QP
12	1.7566	9.52	9.62	19.14	46.00	-26.86	AVG

Note: 1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

LINE L RESULTS (UNII-3 BAND HIGH CHANNEL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1535	37.99	9.50	47.49	65.81	-18.32	QP
2	0.1535	22.87	9.50	32.37	55.81	-23.44	AVG
3	0.1881	35.34	9.57	44.91	64.12	-19.21	QP
4	0.1881	20.57	9.57	30.14	54.12	-23.98	AVG
5	0.3741	35.52	9.53	45.05	58.41	-13.36	QP
6	0.3741	17.52	9.53	27.05	48.41	-21.36	AVG
7	0.4366	36.75	9.52	46.27	57.13	-10.86	QP
8	0.4366	15.20	9.52	24.72	47.13	-22.41	AVG
9	0.7667	31.98	9.50	41.48	56.00	-14.52	QP
10	0.7667	17.63	9.50	27.13	46.00	-18.87	AVG
11	1.4159	28.48	9.56	38.04	56.00	-17.96	QP
12	1.4159	13.69	9.56	23.25	46.00	-22.75	AVG

Note: 1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes had been tested, but only the worst data was recorded in the report.

10. FREQUENCY STABILITY

LIMITS

The frequency of the carrier signal shall be maintained within band of operation.

TEST PROCEDURE

1. The EUT was placed inside an environmental chamber as the temperature in the chamber was varied between 0 °C ~ 50 °C (declared by customer).

2. The temperature was incremented by 10 °C intervals and the unit allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded.

3. The primary supply voltage is varied from 85 % to 115 % of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

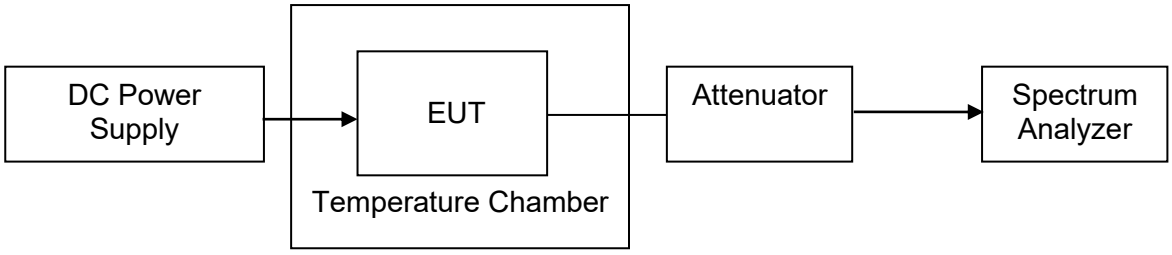
Connect the EUT to the spectrum analyser and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	10 kHz
VBW	≥3 × RBW
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

4. While maintaining a constant temperature inside the environmental chamber, turn the EUT on and record the operating frequency at startup, and at 2 minutes, 5minutes, and 10 minutes after the EUT is energized.

5. Allow the trace to stabilize, find the peak value of the power envelope and record the frequency, then calculated the frequency drift.

TEST SETUP



TEST ENVIRONMENT

	Normal Test Conditions	Extreme Test Conditions
Relative Humidity	20 % - 75 %	/
Atmospheric Pressure	100 kPa ~102 kPa	/
Temperature	T_N (Normal Temperature): 24.8°C	T_L (Low Temperature): 0 °C
		T_H (High Temperature): 50 °C
Supply Voltage	V_N (Normal Voltage): DC 3.8 V	V_L (Low Voltage): DC 3.43 V
		V_H (High Voltage): DC 4.18 V

Note: A test jig has been used to apply voltage variation to device while maintaining functionalities of the device based on C63.10 Clause 5.13 d.

RESULTS

Please refer to Appendix H.

11. DYNAMIC FREQUENCY SELECTION

APPLICABILITY OF DFS REQUIREMENTS

A U-NII network will employ a DFS function to detect signals from radar systems and to avoid co-channel operation with these systems. This applies to the 5250-5350 MHz and/or 5470-5725 MHz bands.
Within the context of the operation of the DFS function, a U-NII device will operate in either Master Mode or Client Mode. U-NII devices operating in Client Mode can only operate in a network controlled by a U-NII device operating in Master Mode.

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	☐ Master	☒ Client Without Radar Detection	☐ Client With Radar Detection
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	☐ Master Device or Client with Radar Detection	☒ Client Without Radar Detection
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

Additional requirements for devices with multiple bandwidth modes	☐ Master Device or Client with Radar Detection	☒ Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		

LIMITS

(1) DFS Detection Thresholds

Table 3: DFS Detection Thresholds for Master Devices and Client Devices With Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

(2) DFS Response Requirements

Table 4: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.
Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required facilitating a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

PARAMETERS OF RADAR TEST WAVEFORMS

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 5 Short Pulse Radar Test Waveforms

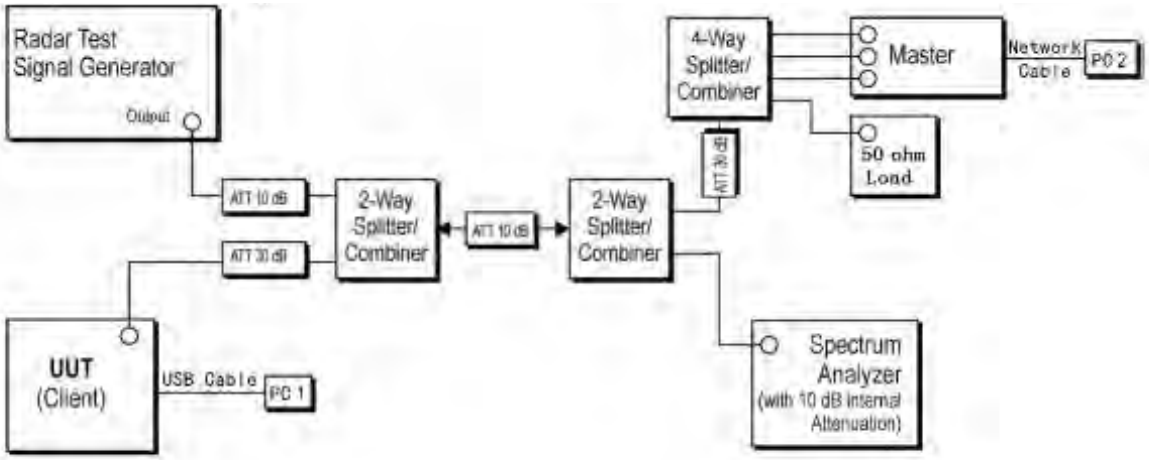
Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A	Roundup $\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot10^6}{PRI_{\mu sec}}\right)\right\}$	60%	30
		Test B			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120

Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.
Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a
Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B. Test aggregate is average of the percentage of successful detections of short pulse radar types 1-4.

TEST SETUP

Setup for Client with injection at the Master



TEST ENVIRONMENT

Temperature	26.6 °C	Relative Humidity	62.6 %
Atmosphere Pressure	101 kPa	Test Voltage	3.3 VDC

RESULTS

Please refer to Appendix E & F & G.

12. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §15.203
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)
The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

RESULTS

Complies

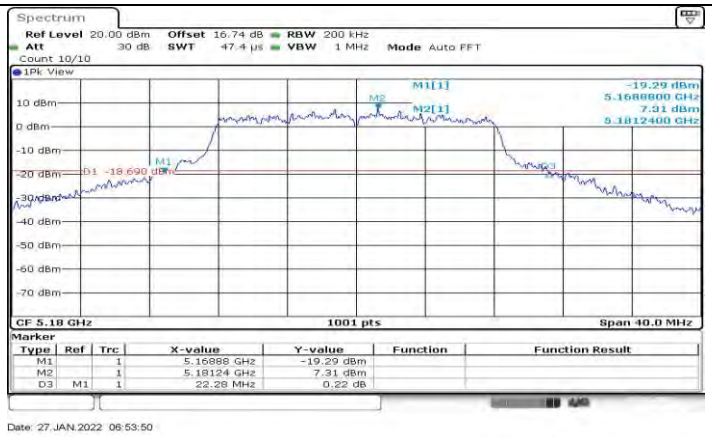
13. Appendix

13.1. Appendix A1: Emission Bandwidth

13.1.1. Test Result

Test Mode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
11A	Ant1	5180	22.28	5168.88	5191.16	PASS
		5200	22.16	5189.28	5211.44	PASS
		5240	22.16	5228.96	5251.12	PASS
		5260	23.28	5248.44	5271.72	PASS
		5280	22.40	5268.68	5291.08	PASS
		5320	22.20	5308.88	5331.08	PASS
		5500	21.76	5489.32	5511.08	PASS
		5580	22.72	5568.64	5591.36	PASS
		5700	23.40	5688.32	5711.72	PASS
		5720	23.00	5708.52	5731.52	PASS
		5720_UNII-2C	16.48	5708.52	5725	PASS
		5720_UNII-3	6.52	5725	5731.52	PASS
		5745	22.84	5733.28	5756.12	PASS
		5785	22.44	5773.60	5796.04	PASS
		5825	22.88	5813.24	5836.12	PASS
11AC20SISO	Ant1	5180	22.44	5168.64	5191.08	PASS
		5200	23.48	5188.28	5211.76	PASS
		5240	24.36	5228.88	5253.24	PASS
		5260	22.44	5248.68	5271.12	PASS
		5280	22.68	5268.40	5291.08	PASS
		5320	22.36	5308.92	5331.28	PASS
		5500	22.44	5488.92	5511.36	PASS
		5580	23.04	5568.68	5591.72	PASS
		5700	22.00	5688.88	5710.88	PASS
		5720	23.16	5708.24	5731.40	PASS
		5720_UNII-2C	16.76	5708.24	5725	PASS
		5720_UNII-3	6.4	5725	5731.40	PASS
		5745	23.64	5732.40	5756.04	PASS
		5785	22.08	5773.92	5796.00	PASS
		5825	22.80	5813.60	5836.40	PASS
11AC40SISO	Ant1	5190	42.24	5168.88	5211.12	PASS
		5230	41.68	5209.36	5251.04	PASS
		5270	41.28	5249.44	5290.72	PASS
		5310	41.76	5289.36	5331.12	PASS
		5510	42.72	5488.72	5531.44	PASS
		5550	42.24	5528.64	5570.88	PASS
		5670	42.56	5648.64	5691.20	PASS
		5710	42.08	5688.80	5730.88	PASS
		5710_UNII-2C	36.2	5688.80	5725	PASS
		5710_UNII-3	5.88	5725	5730.88	PASS
		5755	42.56	5733.48	5776.04	PASS
		5795	42.48	5773.72	5816.20	PASS
11AC80SISO	Ant1	5210	82.88	5169.52	5252.40	PASS
		5290	82.08	5249.68	5331.76	PASS
		5530	82.08	5490.16	5572.24	PASS
		5610	83.04	5567.76	5650.80	PASS
		5690	81.28	5649.52	5730.80	PASS
		5690_UNII-2C	75.48	5649.52	5725	PASS
		5690_UNII-3	5.8	5725	5730.80	PASS
		5775	81.76	5734.04	5815.80	PASS

13.1.2. Test Graphs



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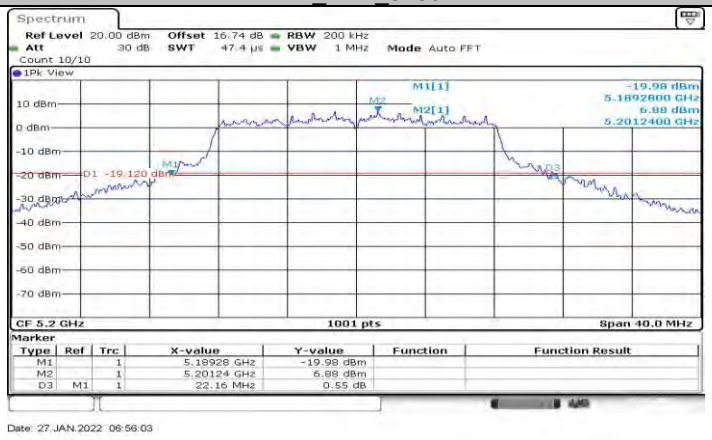

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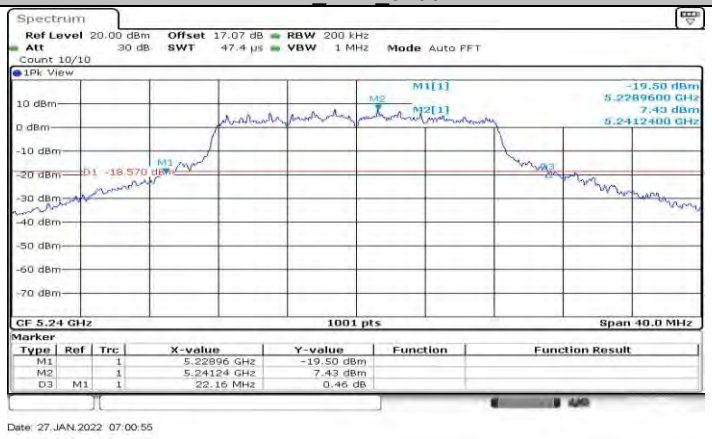

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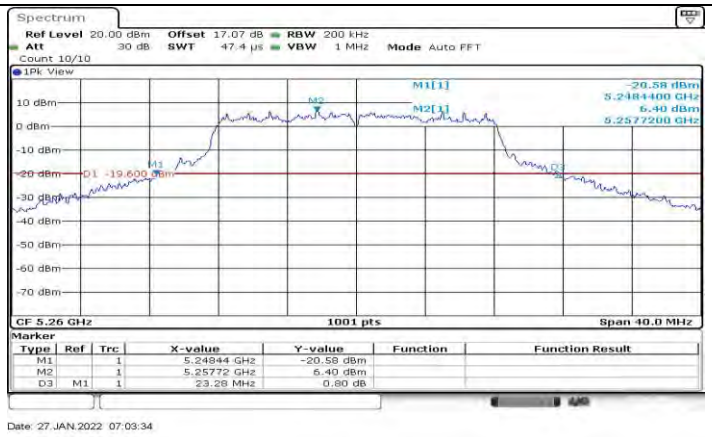

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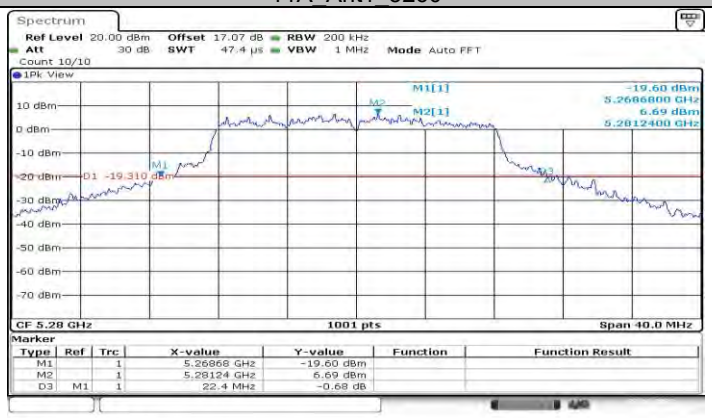

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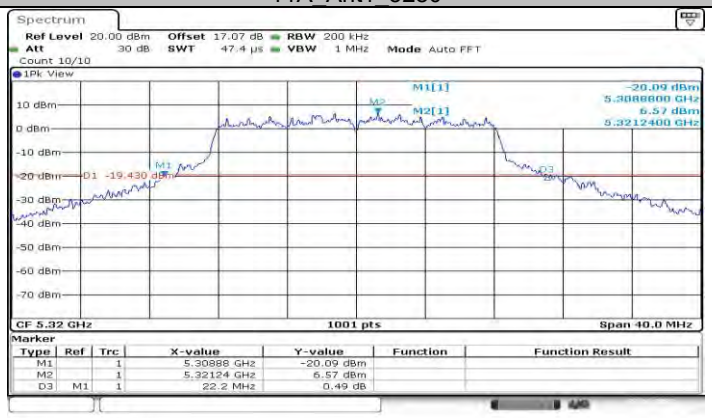

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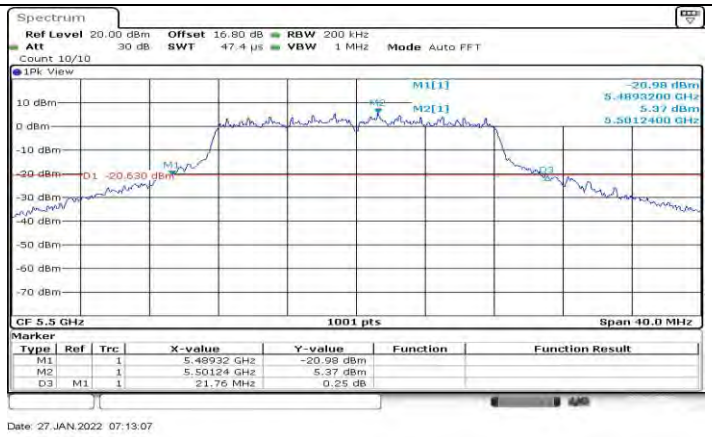

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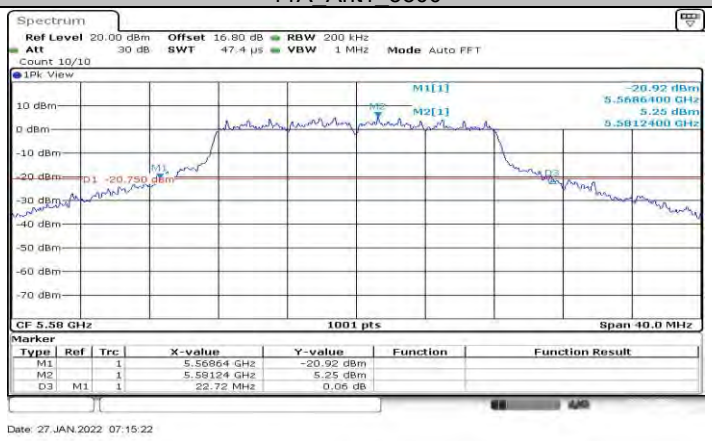

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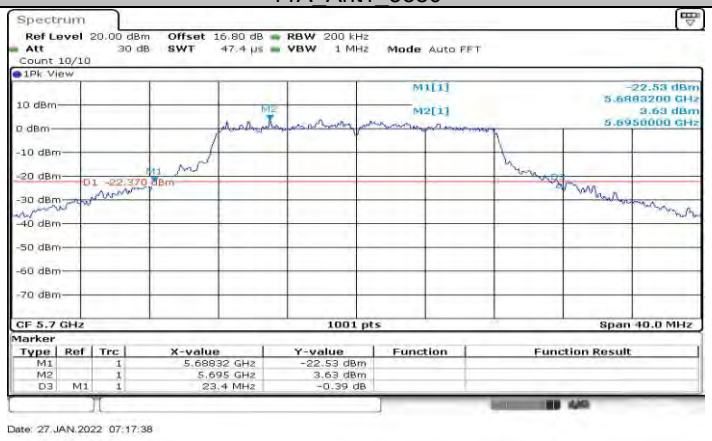

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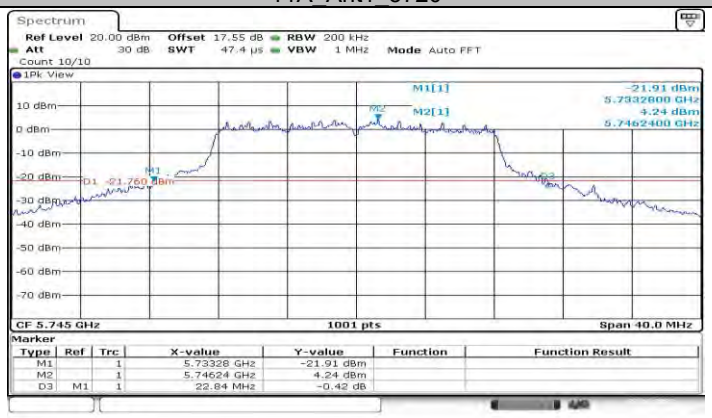

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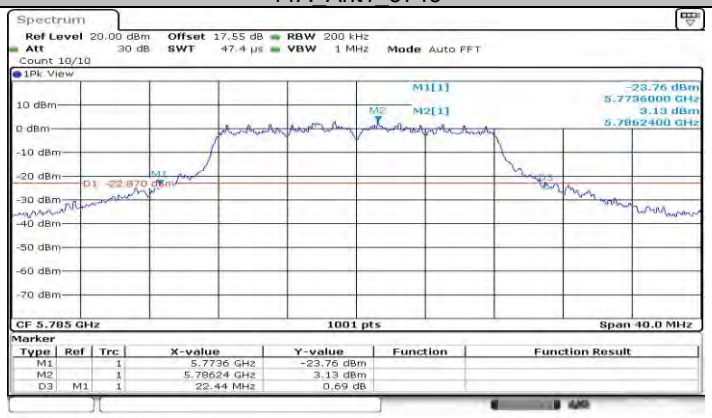

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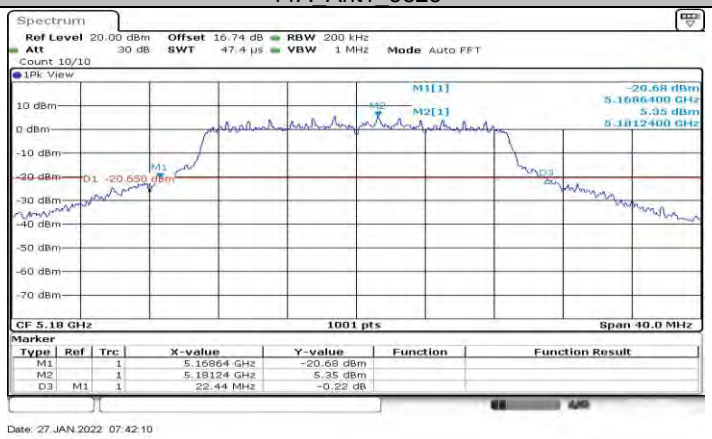

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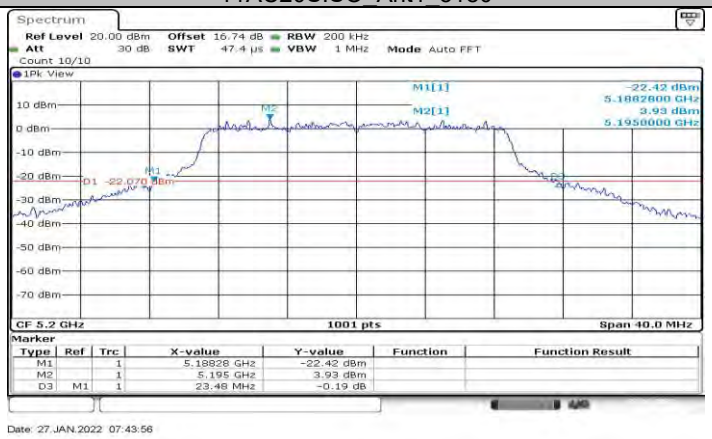

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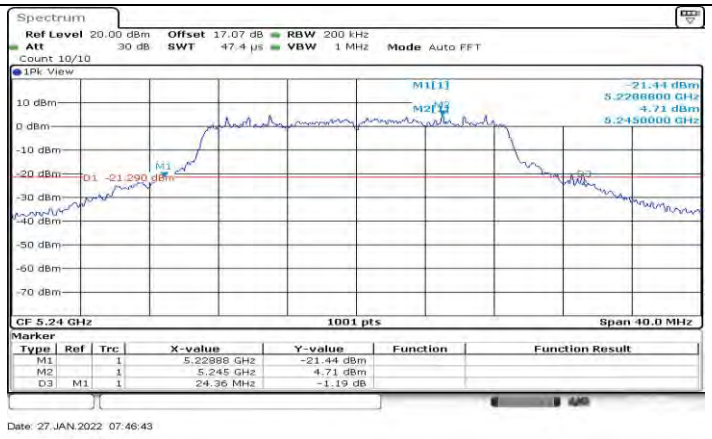

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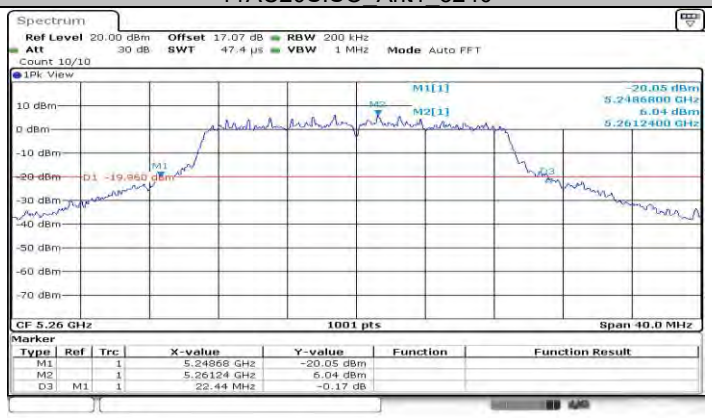

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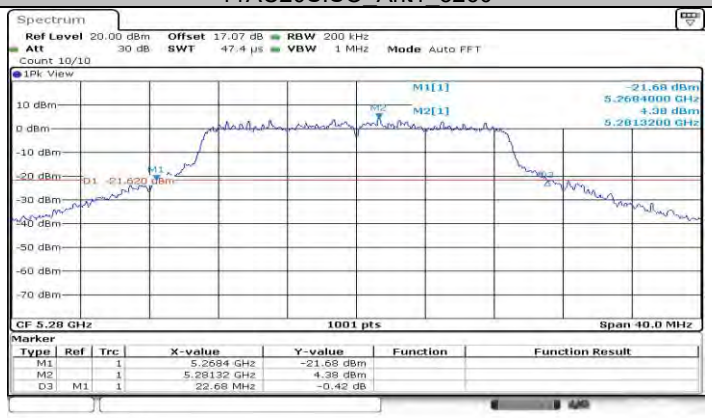

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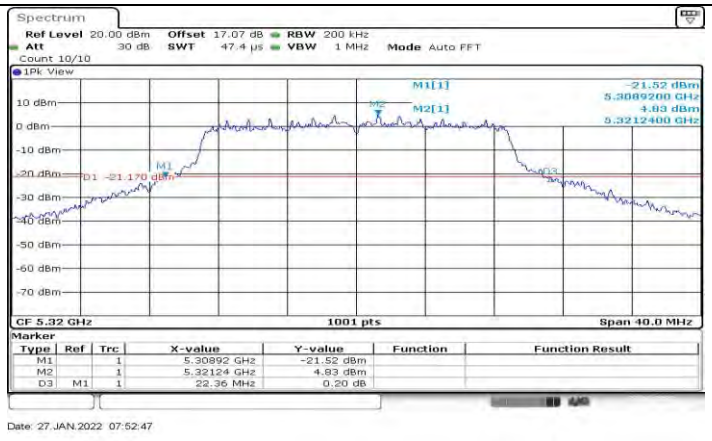

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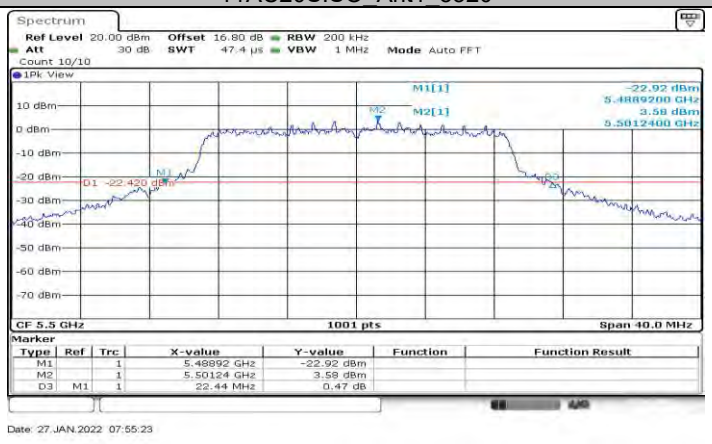

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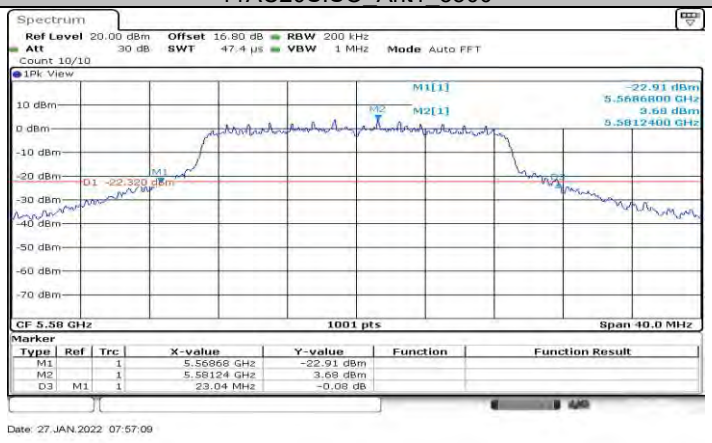

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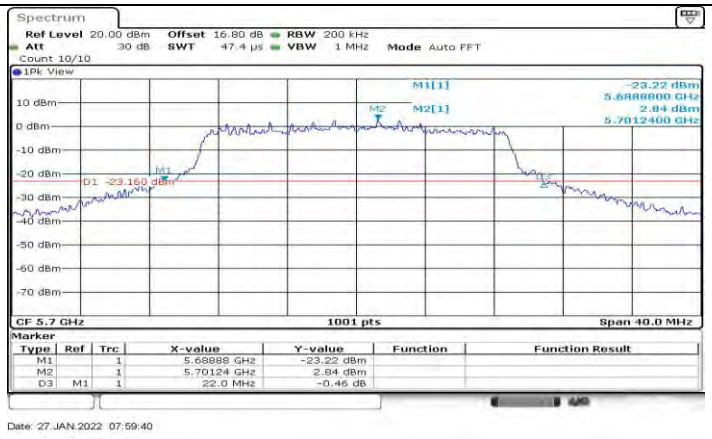

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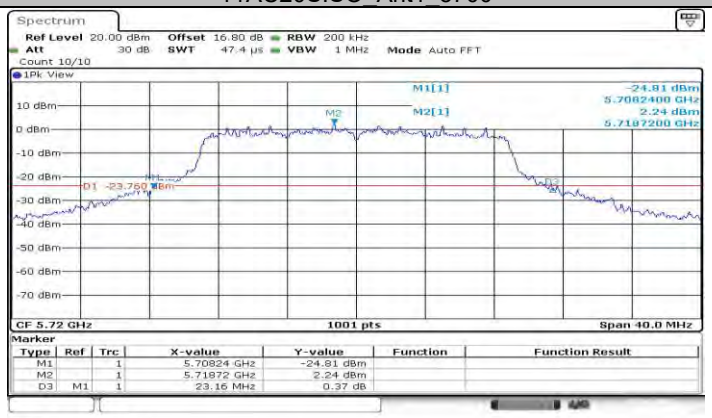
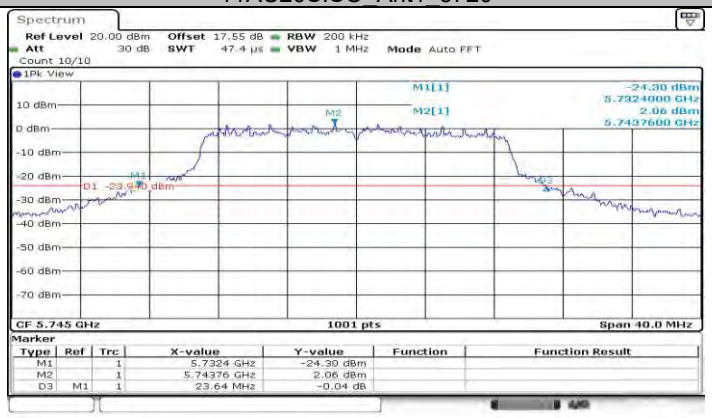


11AC20SISO_Ant1_5720



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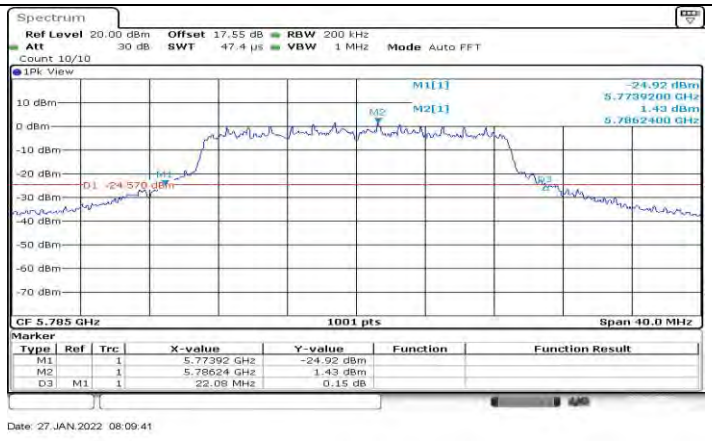
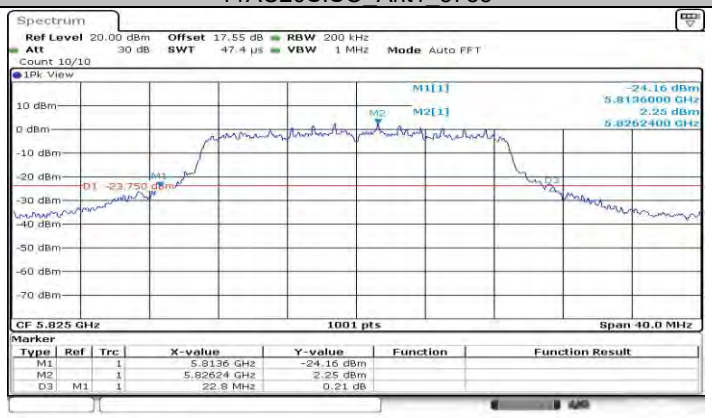
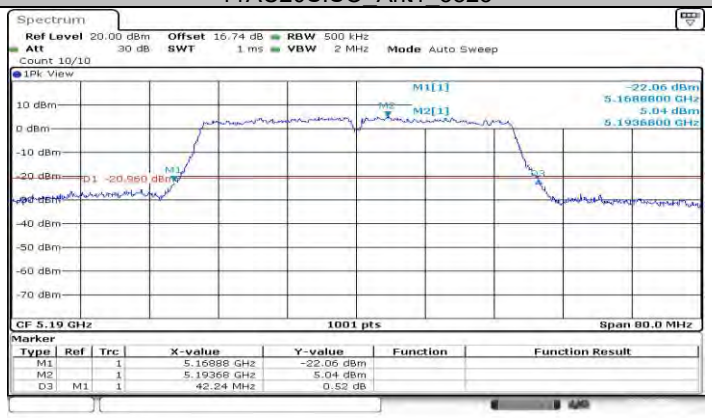


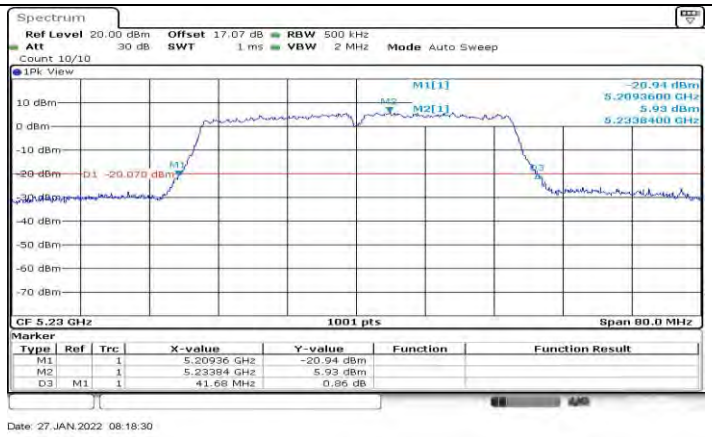
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190



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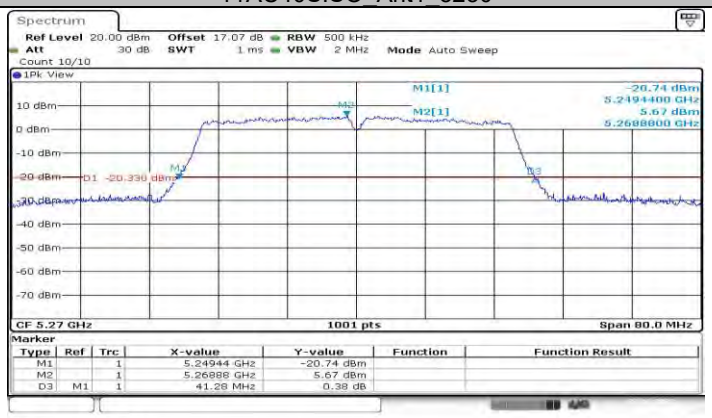
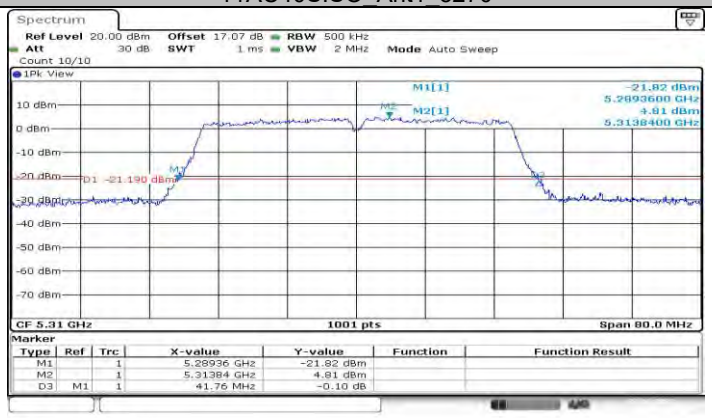
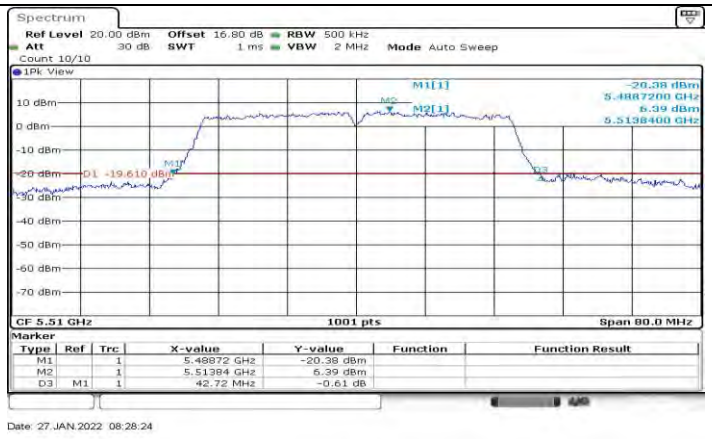


11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



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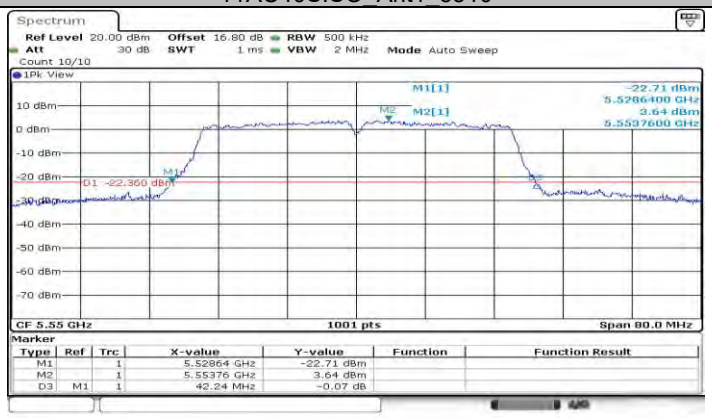

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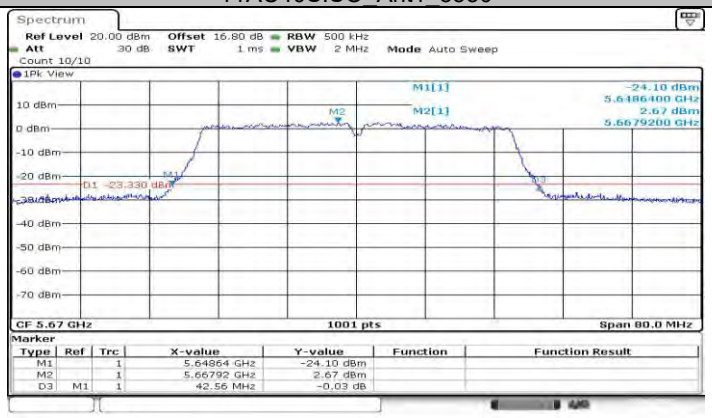
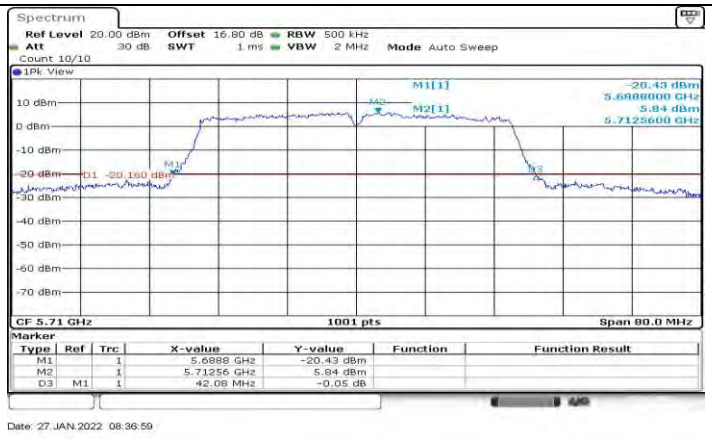
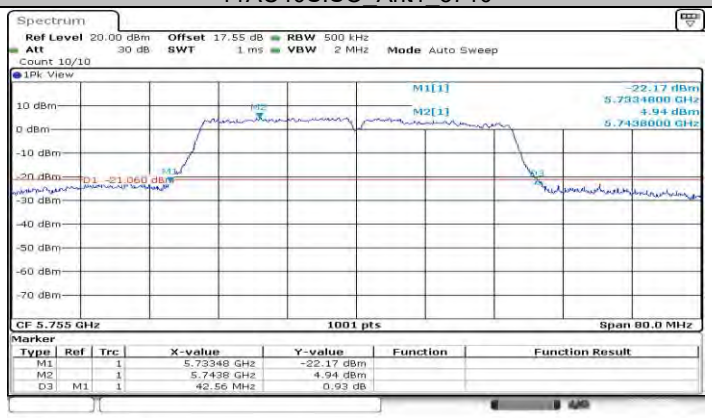


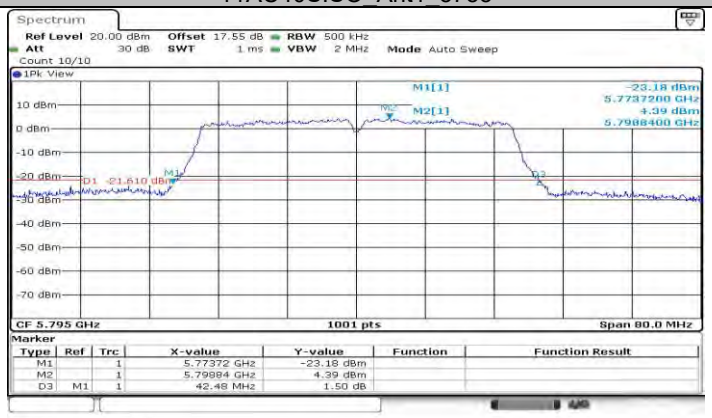
11AC40SISO_Ant1_5670



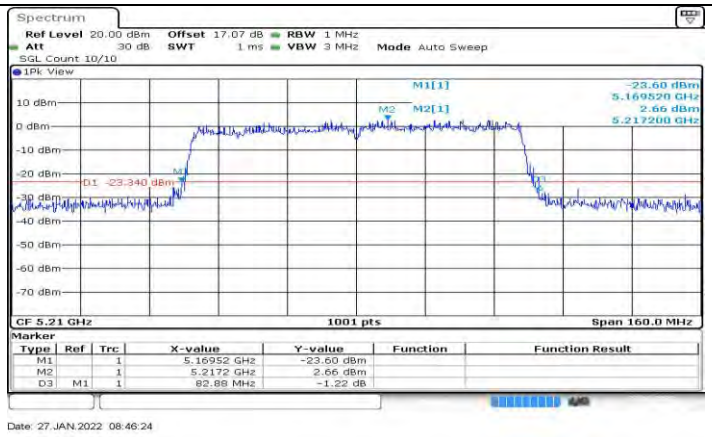
11AC40SISO_Ant1_5710



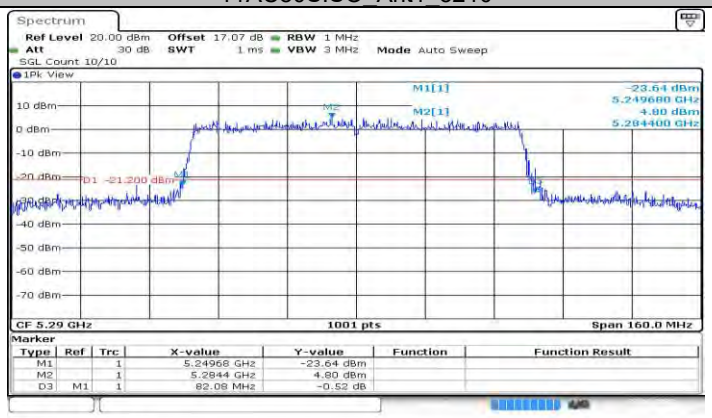
11AC40SISO_Ant1_5755



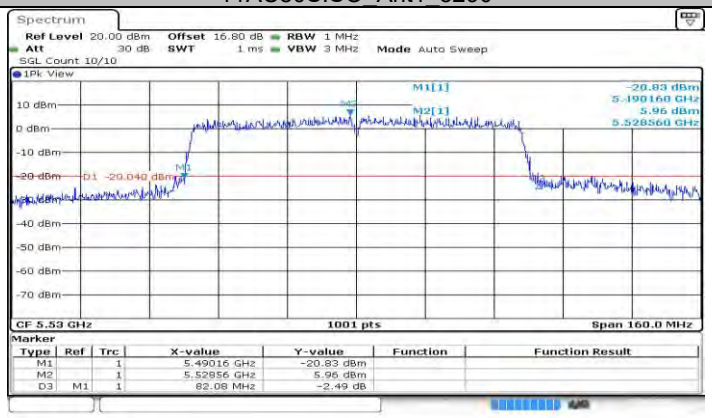
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5290



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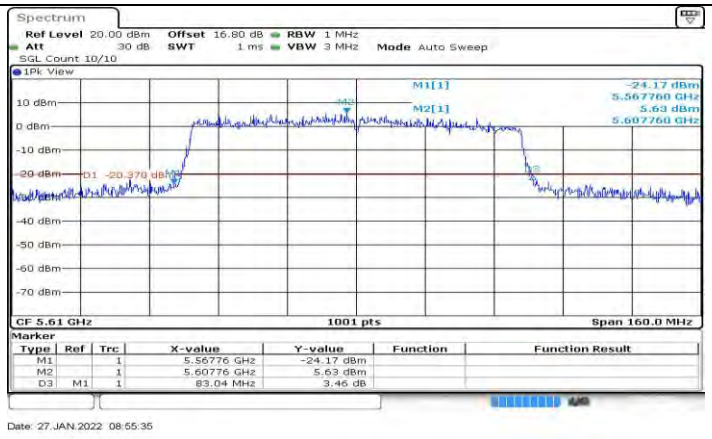

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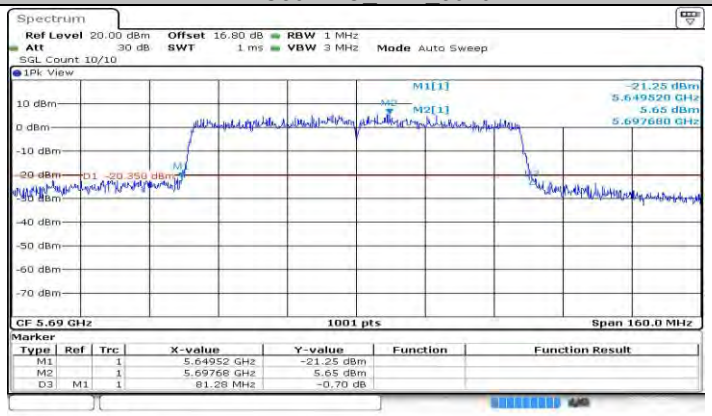
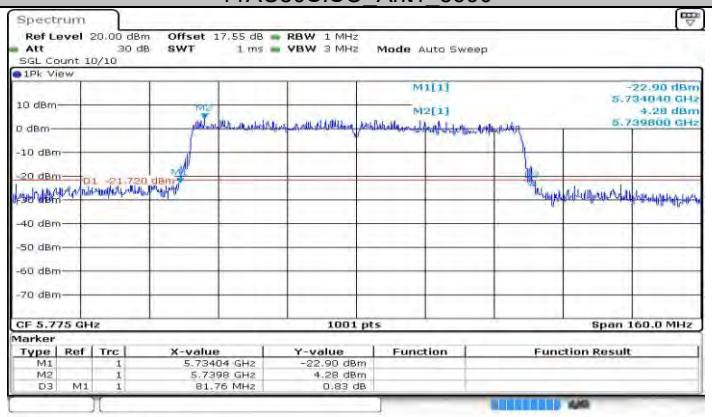


11AC80SISO_Ant1_5690



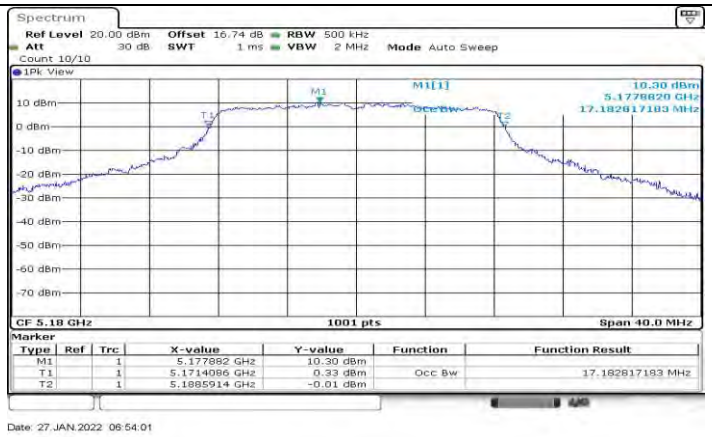
11AC80SISO_Ant1_5775

13.2. Appendix A2: Occupied channel bandwidth

13.2.1. Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11A	Ant1	5180	17.183	5171.409	5188.591	PASS
		5200	17.263	5191.409	5208.671	PASS
		5240	17.263	5231.449	5248.711	PASS
		5260	17.223	5251.409	5268.631	PASS
		5280	17.223	5271.369	5288.591	PASS
		5320	17.303	5311.409	5328.711	PASS
		5500	17.542	5491.289	5508.831	PASS
		5580	17.662	5571.169	5588.831	PASS
		5700	17.502	5691.289	5708.791	PASS
		5720	17.303	5711.289	5728.591	PASS
		5720_UNII-2C	13.711	5711.289	5725	PASS
		5720_UNII-3	3.591	5725	5728.591	PASS
		5745	17.662	5736.009	5753.671	PASS
		5785	17.702	5776.129	5793.831	PASS
		5825	17.463	5816.249	5833.711	PASS
11AC20SISO	Ant1	5180	18.302	5170.889	5189.191	PASS
		5200	18.382	5190.889	5209.271	PASS
		5240	18.302	5230.969	5249.271	PASS
		5260	18.302	5250.889	5269.191	PASS
		5280	18.342	5270.849	5289.191	PASS
		5320	18.302	5310.929	5329.231	PASS
		5500	18.501	5490.809	5509.311	PASS
		5580	18.462	5570.809	5589.271	PASS
		5700	18.821	5690.889	5709.710	PASS
		5720	18.422	5710.769	5729.191	PASS
		5720_UNII-2C	14.231	5710.769	5725	PASS
		5720_UNII-3	4.191	5725	5729.191	PASS
		5745	18.541	5735.649	5754.191	PASS
		5785	18.501	5775.809	5794.311	PASS
		5825	18.342	5815.849	5834.191	PASS
11AC40SISO	Ant1	5190	36.523	5171.778	5208.302	PASS
		5230	36.523	5211.938	5248.462	PASS
		5270	36.523	5251.778	5288.302	PASS
		5310	36.683	5291.778	5328.462	PASS
		5510	36.763	5491.698	5528.462	PASS
		5550	36.683	5531.698	5568.382	PASS
		5670	36.763	5651.618	5688.382	PASS
		5710	36.523	5691.778	5728.302	PASS
		5710_UNII-2C	33.222	5691.778	5725	PASS
		5710_UNII-3	3.302	5725	5728.302	PASS
		5755	36.683	5736.538	5773.222	PASS
		5795	36.603	5776.778	5813.382	PASS
11AC80SISO	Ant1	5210	76.563	5171.958	5248.521	PASS
		5290	76.404	5251.958	5328.362	PASS
		5530	76.244	5491.958	5568.202	PASS
		5610	76.084	5571.798	5647.882	PASS
		5690	76.404	5651.638	5728.042	PASS
		5690_UNII-2C	73.362	5651.638	5725	PASS
		5690_UNII-3	3.042	5725	5728.042	PASS
		5775	77.203	5735.839	5813.042	PASS

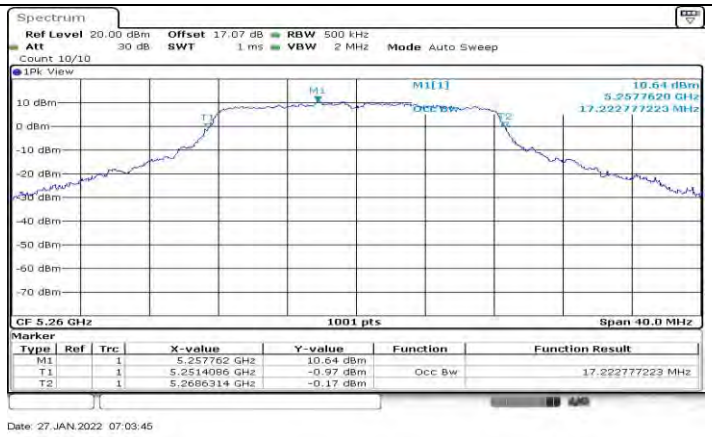
13.2.2. Test Graphs



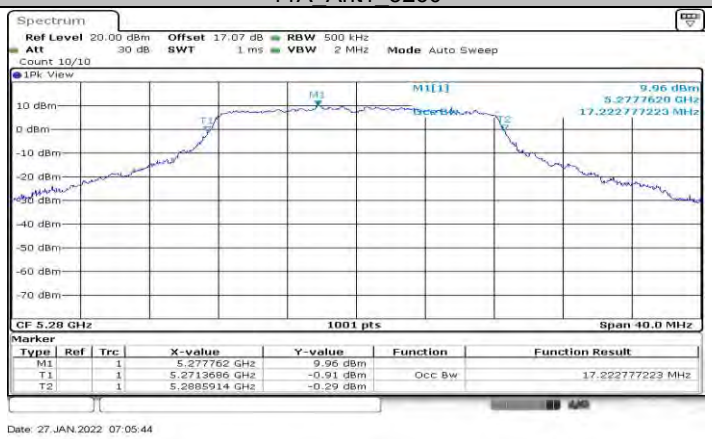
11A_Ant1_5180

11A_Ant1_5200

11A_Ant1_5240

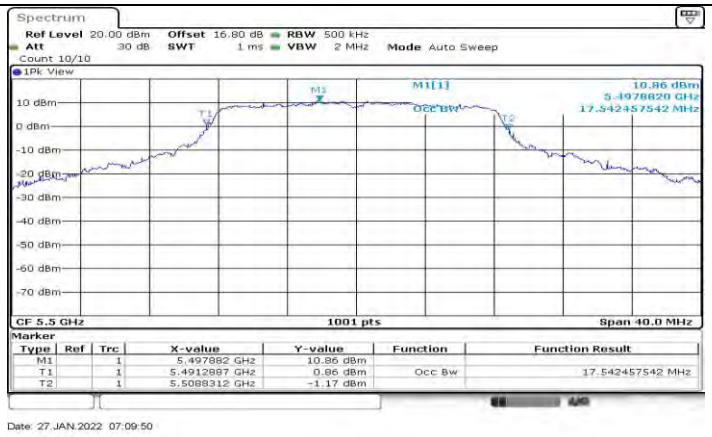


11A_Ant1_5260

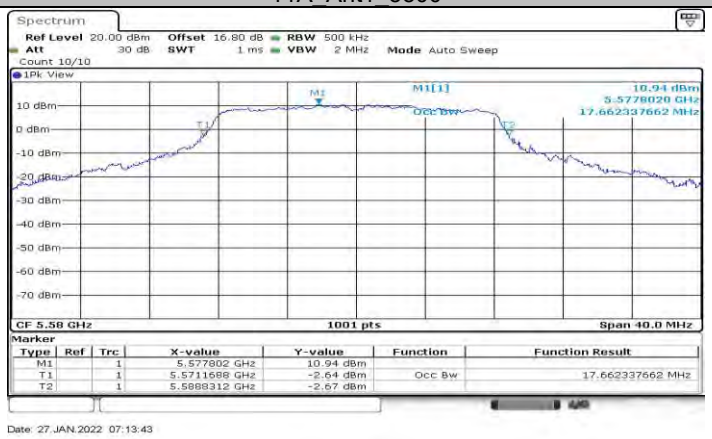


11A_Ant1_5280

11A_Ant1_5320



11A_Ant1_5500



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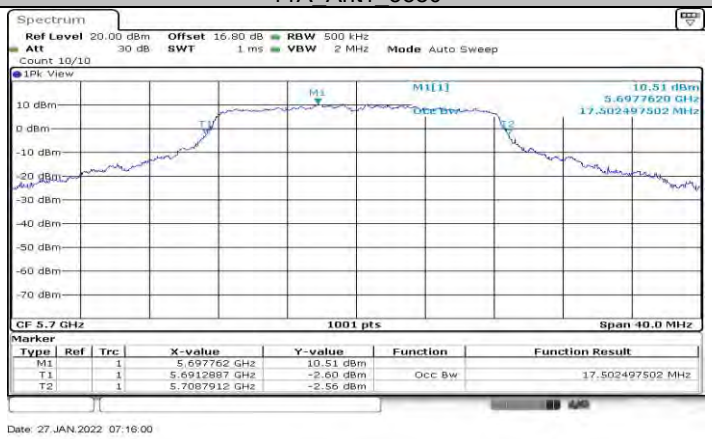
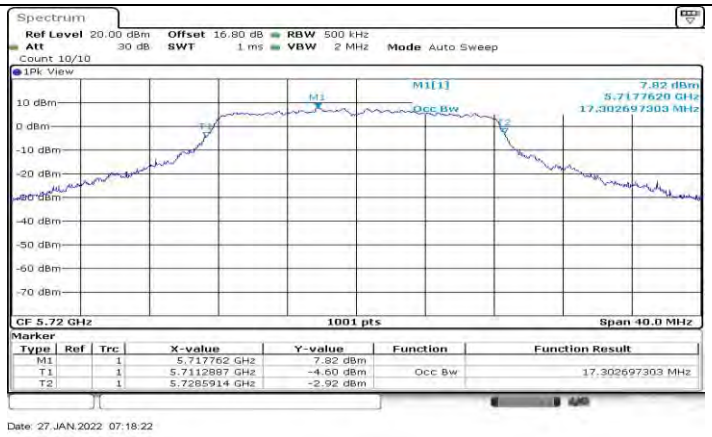


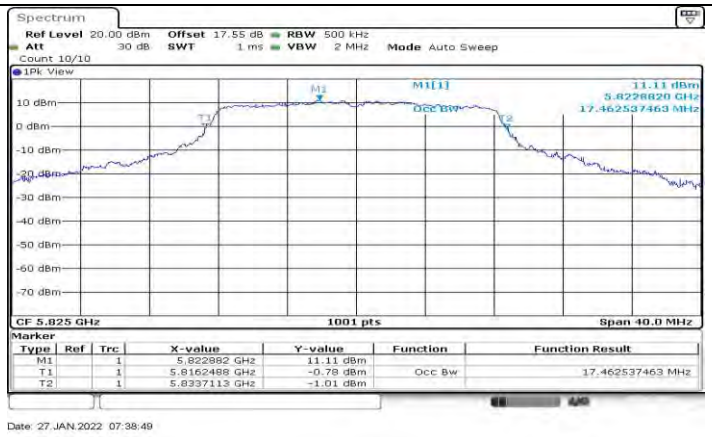
11A_Ant1_5700



11A_Ant1_5720

11A_Ant1_5745

11A_Ant1_5785



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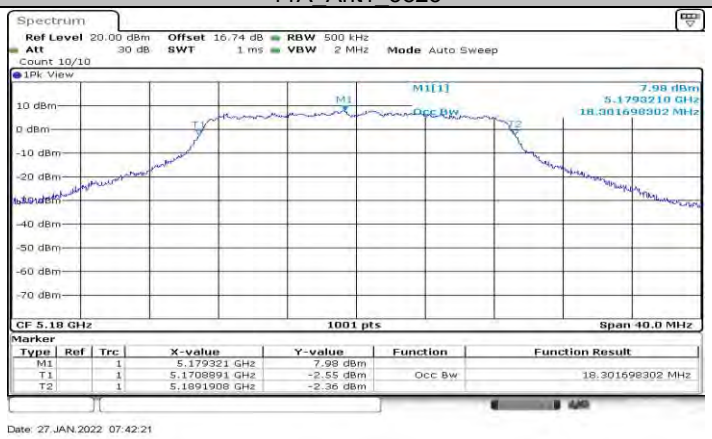

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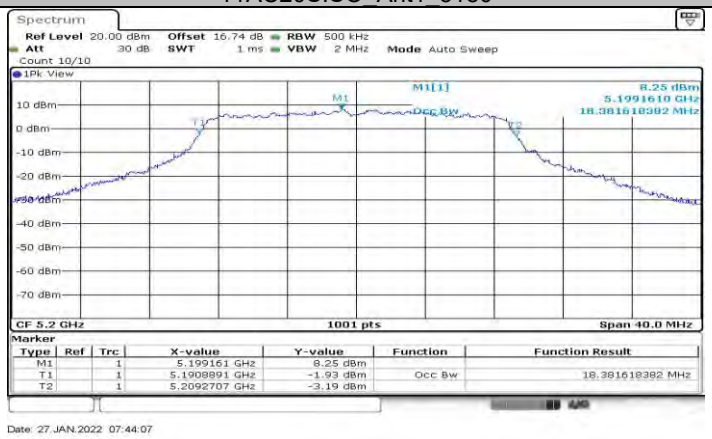

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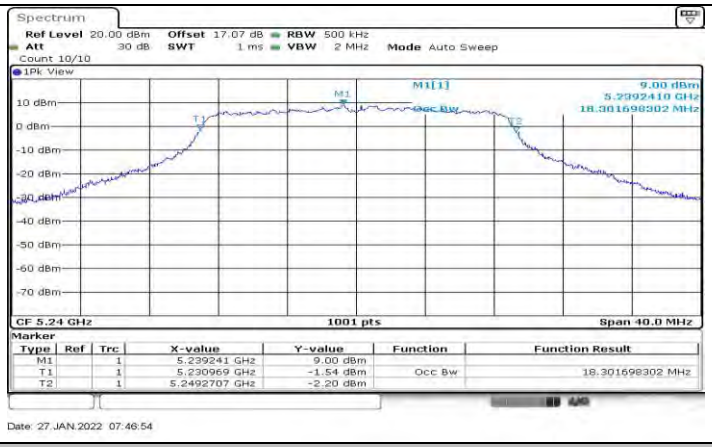

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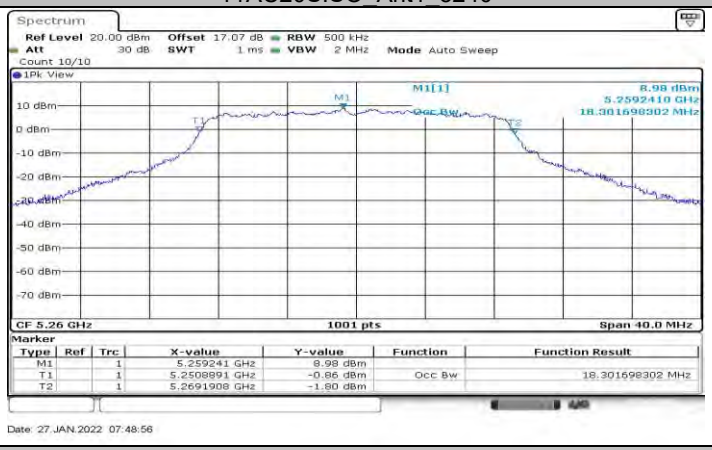
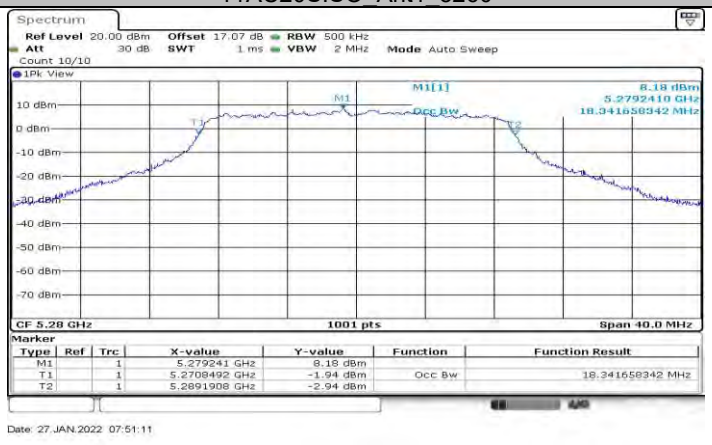
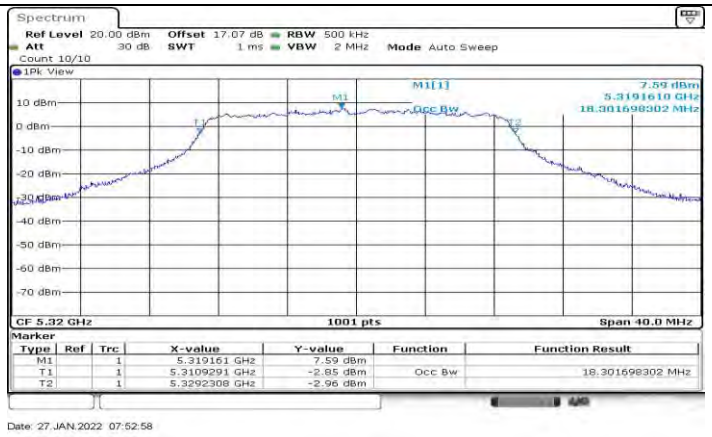


11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



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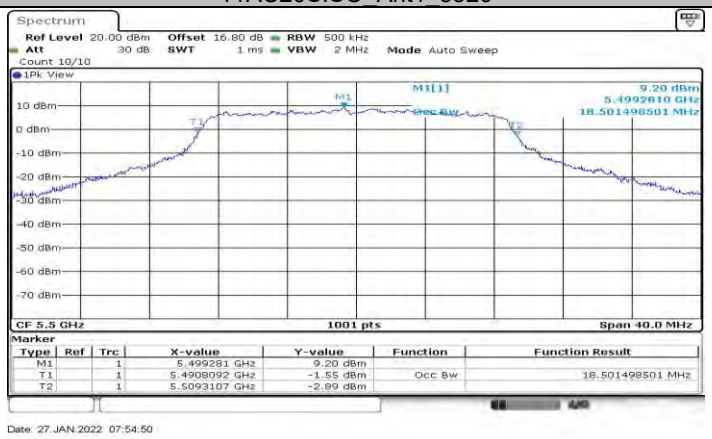
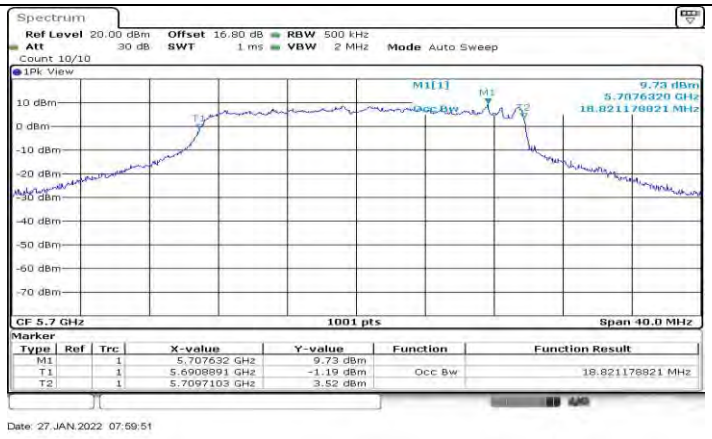


11AC20SISO_Ant1_5500

11AC20SISO_Ant1_5580



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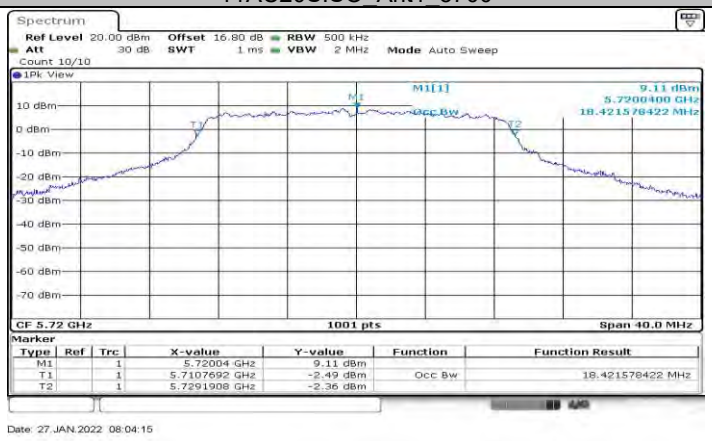

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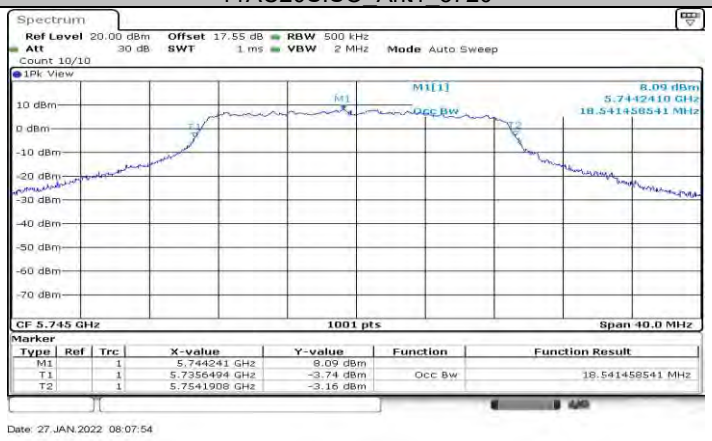

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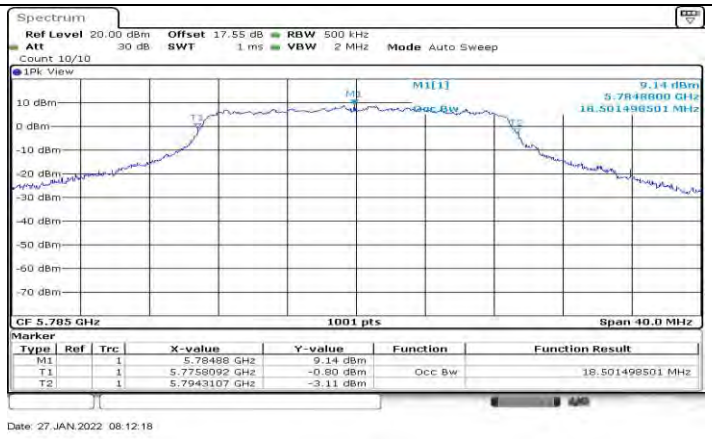

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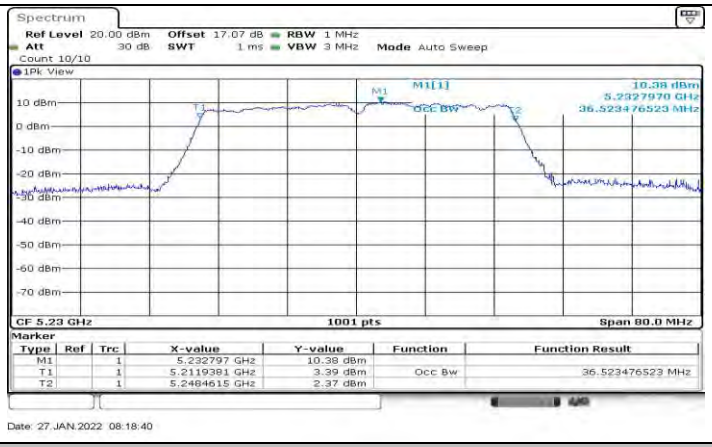
11AC20SISO_Ant1_5825

11AC40SISO_Ant1_5190



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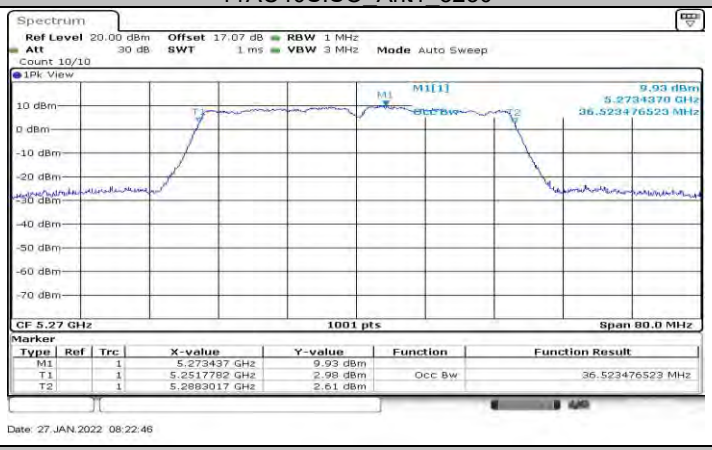

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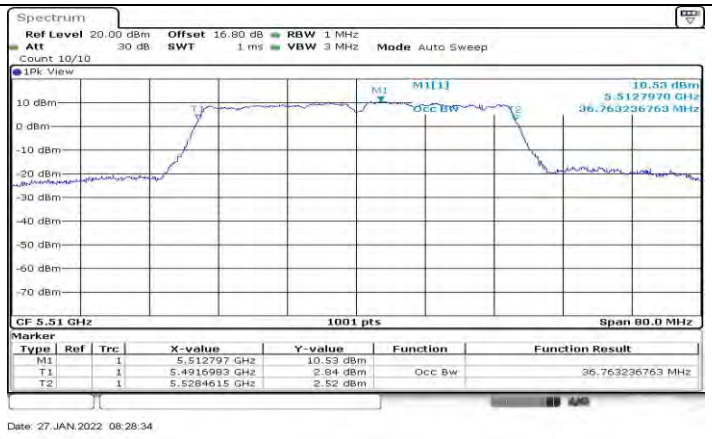
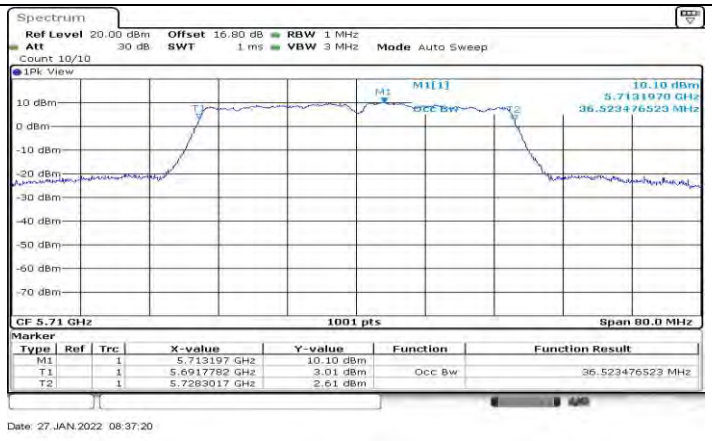


11AC40SISO_Ant1_5510

11AC40SISO_Ant1_5550

11AC40SISO_Ant1_5670



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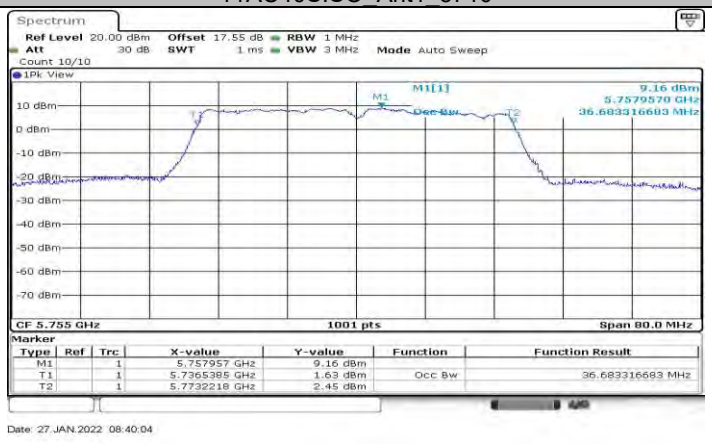

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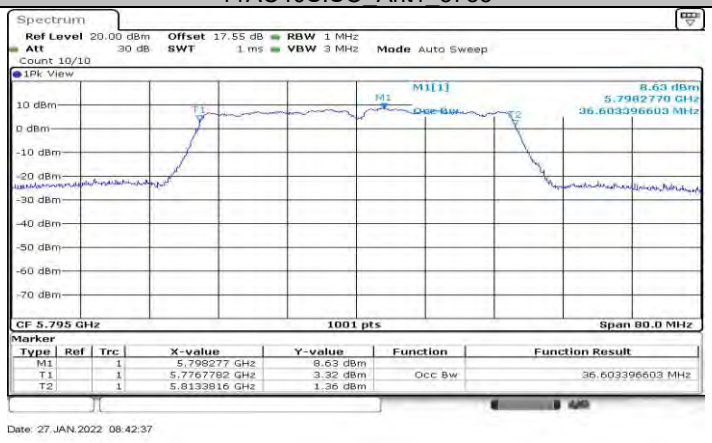

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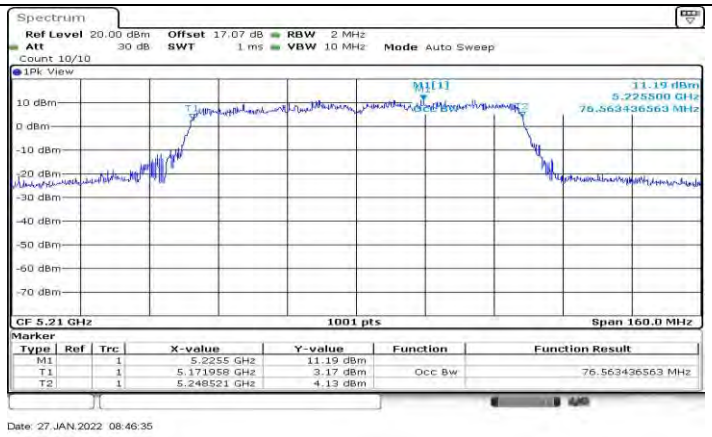

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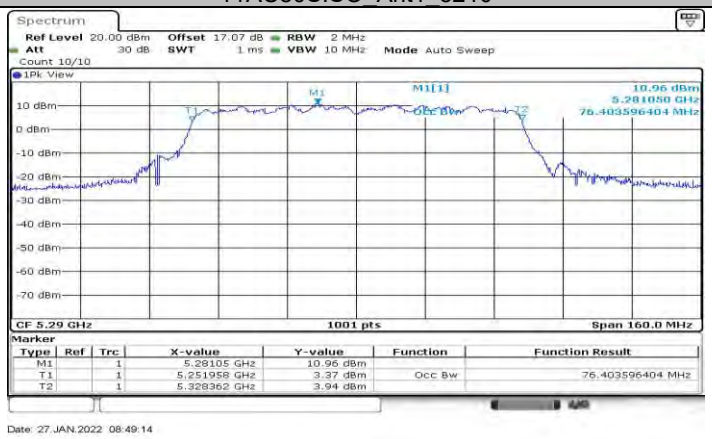
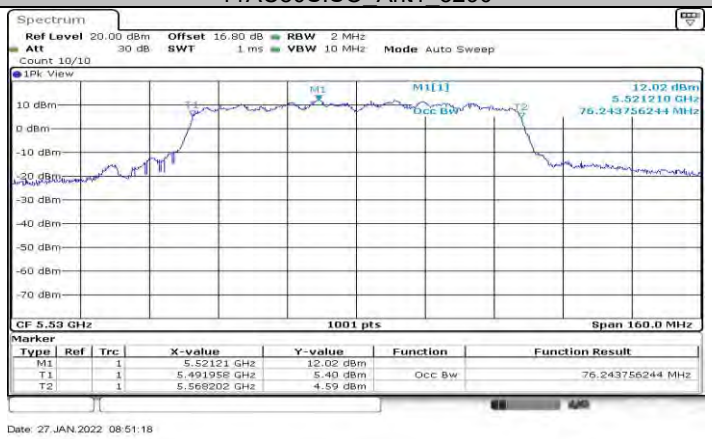
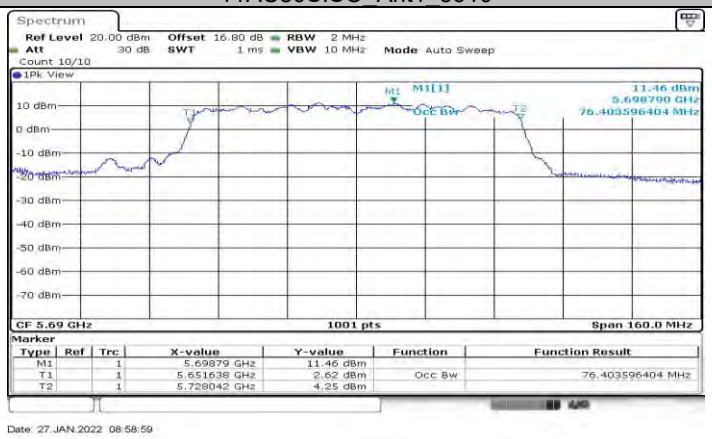


11AC80SISO_Ant1_5290

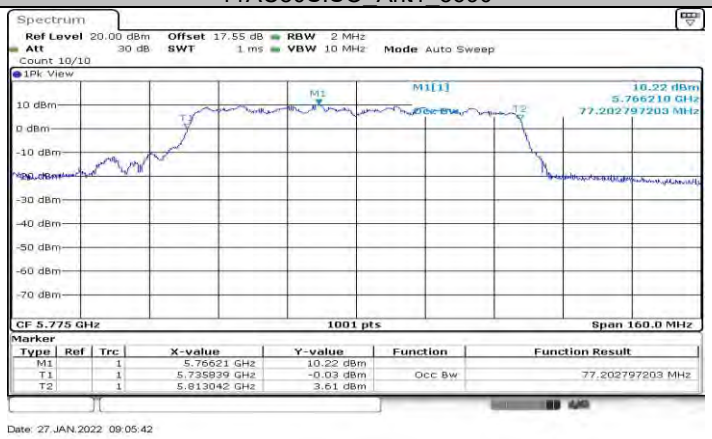


11AC80SISO_Ant1_5530

11AC80SISO_Ant1_5610



11AC80SISO_Ant1_5690



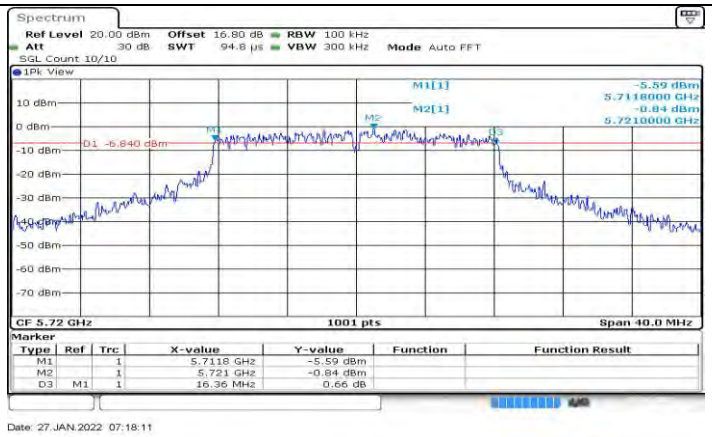
11AC80SISO_Ant1_5775

13.3. Appendix A3: Min emission bandwidth

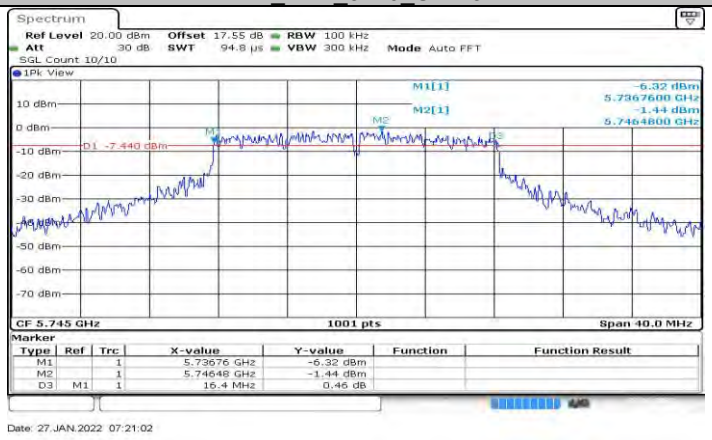
13.3.1. Test Result

Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5720_UNII-3	3.16	5725	5728.16	0.5	PASS
		5745	16.40	5736.76	5753.16	0.5	PASS
		5785	16.36	5776.80	5793.16	0.5	PASS
		5825	16.04	5816.84	5832.88	0.5	PASS
11AC20SISO	Ant1	5720_UNII-3	3.8	5725	5728.80	0.5	PASS
		5745	17.64	5736.16	5753.80	0.5	PASS
		5785	16.84	5776.56	5793.40	0.5	PASS
		5825	17.64	5816.16	5833.80	0.5	PASS
11AC40SISO	Ant1	5710_UNII-3	2.6	5725	5727.60	0.5	PASS
		5755	35.76	5736.84	5772.60	0.5	PASS
		5795	35.36	5777.24	5812.60	0.5	PASS
11AC80SISO	Ant1	5690_UNII-3	2.6	5725	5727.60	0.5	PASS
		5775	75.84	5736.76	5812.60	0.5	PASS

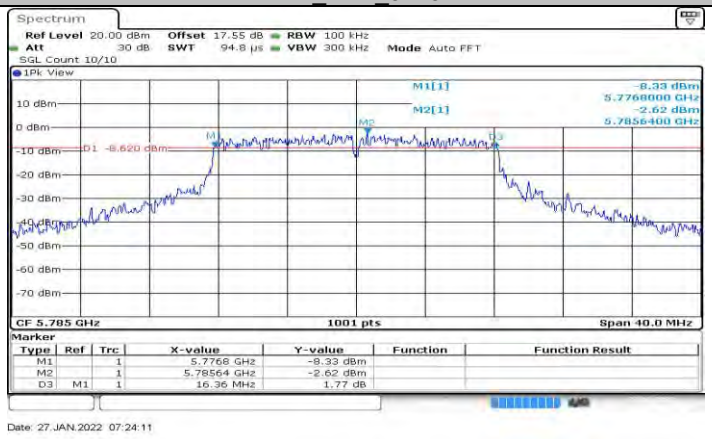
13.3.2. Test Graphs



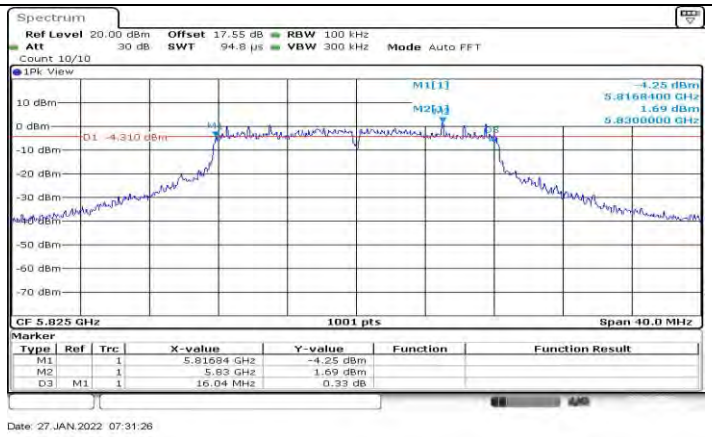
11A_Ant1_5720_UNII-3



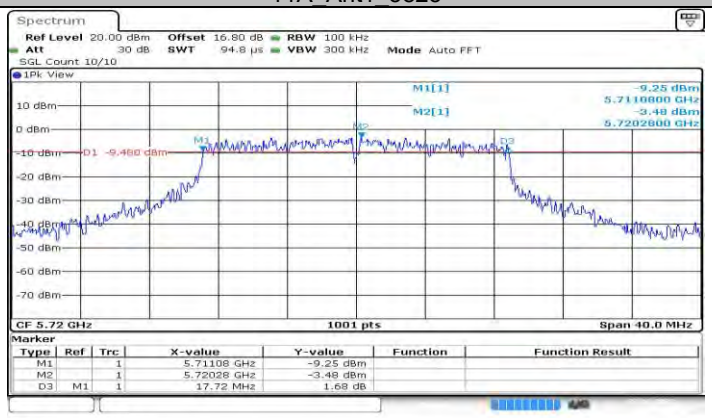
11A_Ant1_5745



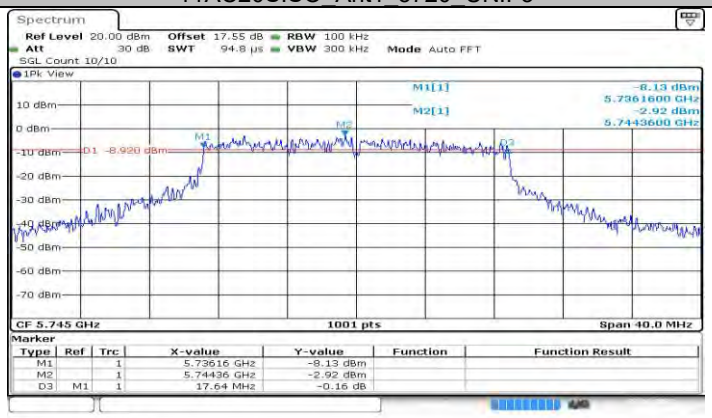
11A_Ant1_5785



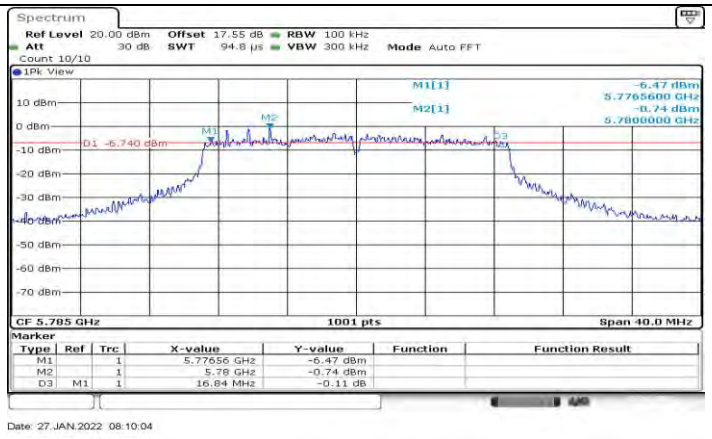
11A_Ant1_5825



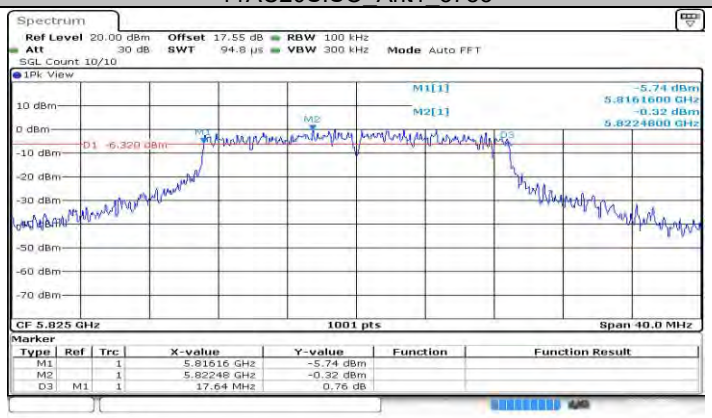
11AC20SISO_Ant1_5720_UNII-3



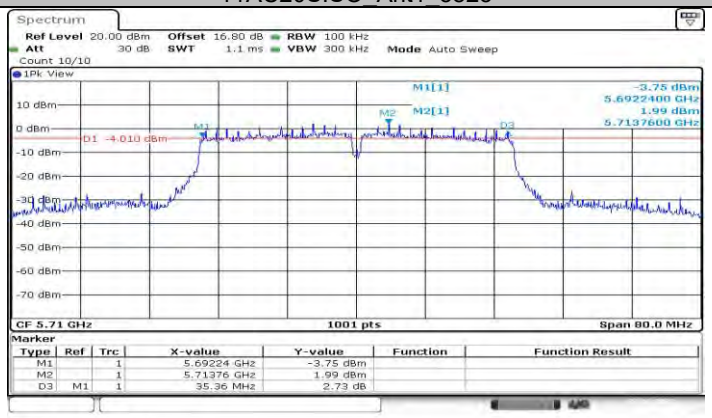
11AC20SISO_Ant1_5745



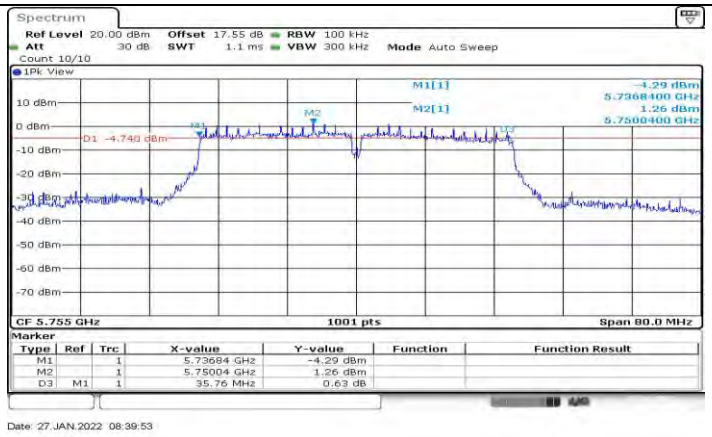
11AC20SISO_Ant1_5785



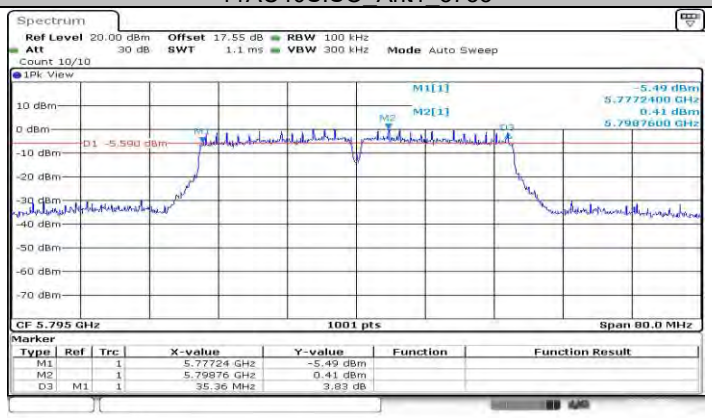
11AC20SISO_Ant1_5825



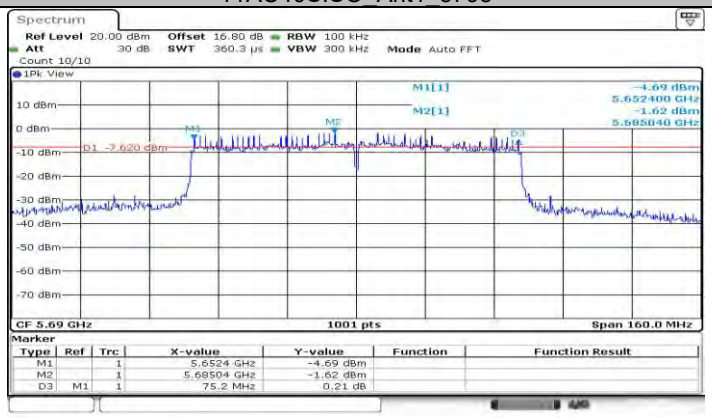
11AC40SISO_Ant1_5710_UNII-3



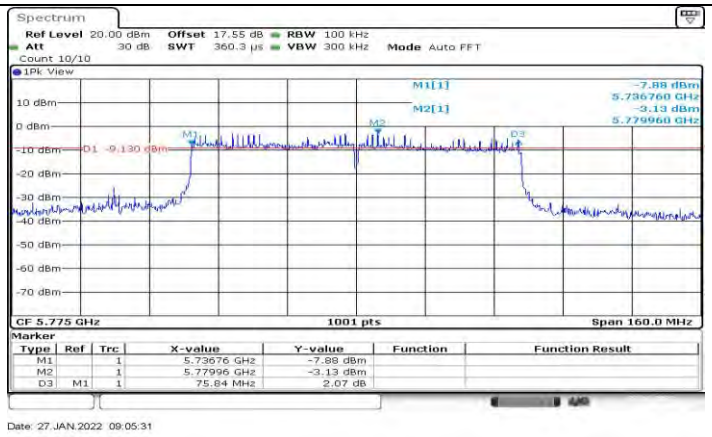
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5690_UNII-3



11AC80SISO_Ant1_5775

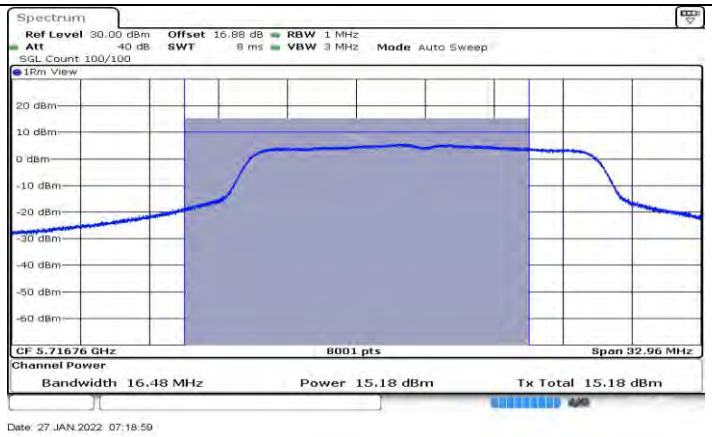
13.4. Appendix B: Maximum conducted output power

13.4.1. Test Result

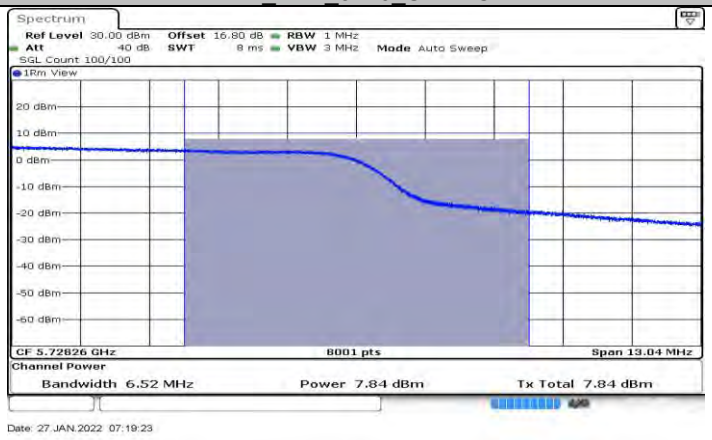
Test Mode	Antenna	Channel	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	15.97	≤23.98	---	15.22	≤22.10	PASS
		5200	15.32	≤23.98	---	14.57	≤22.12	PASS
		5240	15.99	≤23.98	---	15.24	≤22.12	PASS
		5260	16.10	≤23.98	≤23.36	15.35	≤29.36	PASS
		5280	15.55	≤23.98	≤23.36	14.80	≤29.36	PASS
		5320	15.01	≤23.98	≤23.38	14.26	≤29.38	PASS
		5500	16.47	≤23.98	≤23.44	15.72	≤29.44	PASS
		5580	16.33	≤23.98	≤23.47	15.58	≤29.47	PASS
		5700	15.97	≤23.98	≤23.43	15.22	≤29.43	PASS
		5720_UNII-2C	15.18	≤23.17	≤22.37	14.43	≤28.37	PASS
		5720_UNII-3	7.84	≤30.00	≤30.00	7.09	---	PASS
		5745	15.66	≤30.00	≤30.00	14.91	---	PASS
		5785	15.96	≤30.00	≤30.00	15.21	---	PASS
		5825	16.67	≤30.00	≤30.00	15.92	---	PASS
11AC20SISO	Ant1	5180	13.81	≤23.98	---	13.06	≤22.37	PASS
		5200	13.81	≤23.98	---	13.06	≤22.39	PASS
		5240	14.36	≤23.98	---	13.61	≤22.37	PASS
		5260	14.41	≤23.98	≤23.62	13.66	≤29.62	PASS
		5280	13.76	≤23.98	≤23.63	13.01	≤29.63	PASS
		5320	13.16	≤23.98	≤23.62	12.41	≤29.62	PASS
		5500	14.72	≤23.98	≤23.67	13.97	≤29.67	PASS
		5580	14.88	≤23.98	≤23.66	14.13	≤29.66	PASS
		5700	14.22	≤23.98	≤23.75	13.47	≤29.75	PASS
		5720_UNII-2C	13.36	≤23.24	≤22.53	12.61	≤28.53	PASS
		5720_UNII-3	6.59	≤30.00	≤30.00	5.84	---	PASS
		5745	13.93	≤30.00	≤30.00	13.18	---	PASS
		5785	14.23	≤30.00	≤30.00	13.48	---	PASS
		5825	14.39	≤30.00	≤30.00	13.64	---	PASS
11AC40SISO	Ant1	5190	13.66	≤23.98	---	12.91	≤23.00	PASS
		5230	15.26	≤23.98	---	14.51	≤23.00	PASS
		5270	15.06	≤23.98	≤23.98	14.31	≤30.00	PASS
		5310	14.29	≤23.98	≤23.98	13.54	≤30.00	PASS
		5510	15.56	≤23.98	≤23.98	14.81	≤30.00	PASS
		5550	15.69	≤23.98	≤23.98	14.94	≤30.00	PASS
		5670	14.63	≤23.98	≤23.98	13.88	≤30.00	PASS
		5710_UNII-2C	14.80	≤23.98	≤23.98	14.05	≤30.00	PASS
		5710_UNII-3	3.27	≤30.00	≤30.00	2.52	---	PASS
		5755	14.30	≤30.00	≤30.00	13.55	---	PASS
		5795	13.69	≤30.00	≤30.00	12.94	---	PASS
11AC80SISO	Ant1	5210	13.50	≤23.98	---	12.75	≤23.00	PASS
		5290	13.58	≤23.98	≤23.98	12.83	≤30.00	PASS
		5530	14.59	≤23.98	≤23.98	13.84	≤30.00	PASS
		5610	14.61	≤23.98	≤23.98	13.86	≤30.00	PASS
		5690_UNII-2C	14.45	≤23.98	≤23.98	13.70	≤30.00	PASS
		5690_UNII-3	-0.59	≤30.00	≤30.00	-1.34	---	PASS
		5775	13.65	≤30.00	≤30.00	12.90	---	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

13.4.2. Test Graphs

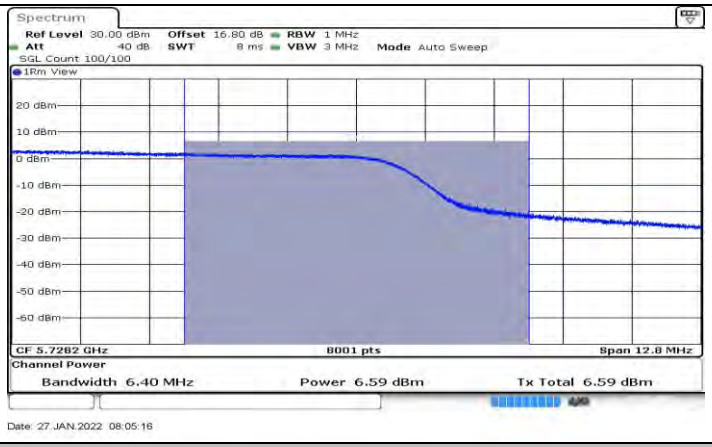


11A_Ant1_5720_UNII-2C

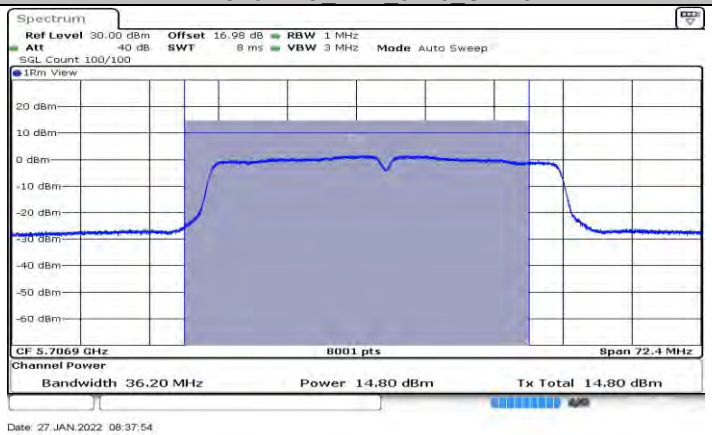


11A_Ant1_5720_UNII-3

11AC20SISO_Ant1_5720_UNII-2C

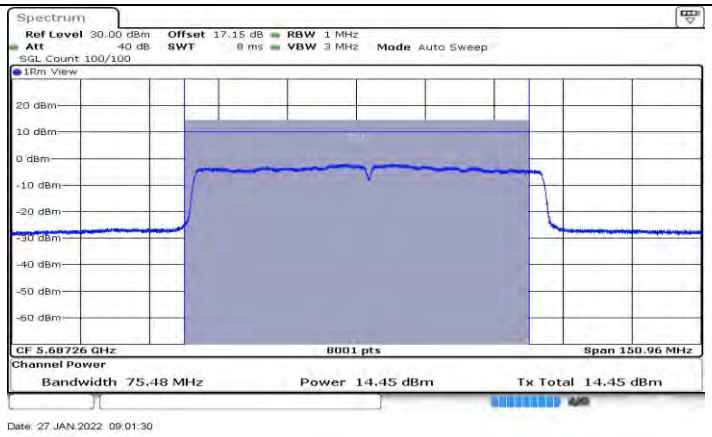


11AC20SISO_Ant1_5720_UNII-3



11AC40SISO_Ant1_5710_UNII-2C

11AC40SISO_Ant1_5710_UNII-3



11AC80SISO_Ant1_5690_UNII-2C

11AC80SISO_Ant1_5690_UNII-3

13.5. Appendix C: Maximum power spectral density

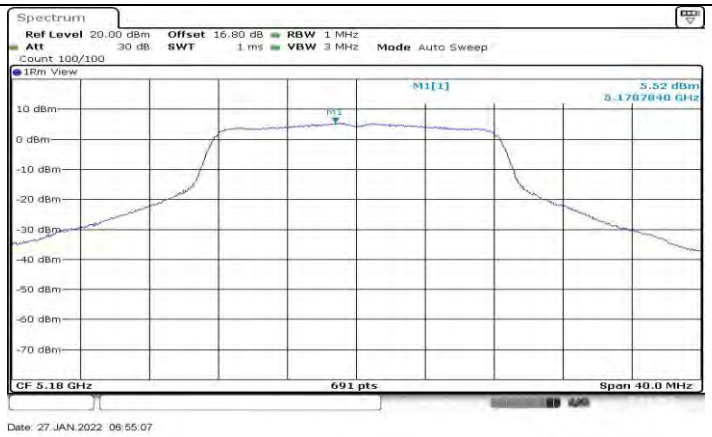
13.5.1. Test Result

Test Mode	Antenna	Channel	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	5.52	≤11.00	4.77	≤10.00	PASS
		5200	4.68	≤11.00	3.93	≤10.00	PASS
		5240	5.31	≤11.00	4.56	≤10.00	PASS
		5260	5.47	≤11.00	4.72	---	PASS
		5280	4.9	≤11.00	4.15	---	PASS
		5320	4.49	≤11.00	3.74	---	PASS
		5500	5.89	≤11.00	5.14	---	PASS
		5580	5.68	≤11.00	4.93	---	PASS
		5700	5.29	≤11.00	4.54	---	PASS
		5720_UNII-2C	5.45	≤11.00	4.70	---	PASS
		5720_UNII-3	0.69	≤11.00	-0.06	---	PASS
		5745	2.19	≤30.00	1.44	---	PASS
		5785	2.56	≤30.00	1.81	---	PASS
		5825	3.38	≤30.00	2.63	---	PASS
11AC20SISO	Ant1	5180	3.03	≤11.00	2.28	≤10.00	PASS
		5200	2.87	≤11.00	2.12	≤10.00	PASS
		5240	3.53	≤11.00	2.78	≤10.00	PASS
		5260	3.52	≤11.00	2.77	---	PASS
		5280	2.74	≤11.00	1.99	---	PASS
		5320	2.16	≤11.00	1.41	---	PASS
		5500	3.82	≤11.00	3.07	---	PASS
		5580	4.15	≤11.00	3.40	---	PASS
		5700	3.35	≤11.00	2.60	---	PASS
		5720_UNII-2C	3.25	≤11.00	2.50	---	PASS
		5720_UNII-3	-1.28	≤11.00	-2.03	---	PASS
		5745	0.34	≤30.00	-0.41	---	PASS
		5785	0.46	≤30.00	-0.29	---	PASS
		5825	0.89	≤30.00	0.14	---	PASS
11AC40SISO	Ant1	5190	-0.18	≤11.00	-0.93	≤10.00	PASS
		5230	1.39	≤11.00	0.64	≤10.00	PASS
		5270	1.2	≤11.00	0.45	---	PASS
		5310	0.35	≤11.00	-0.40	---	PASS
		5510	1.48	≤11.00	0.73	---	PASS
		5550	1.71	≤11.00	0.96	---	PASS
		5670	0.61	≤11.00	-0.14	---	PASS
		5710_UNII-2C	1.45	≤11.00	0.70	---	PASS
		5710_UNII-3	-4.02	≤11.00	-4.77	---	PASS
		5755	-2.26	≤30.00	-3.01	---	PASS
		5795	-3.06	≤30.00	-3.81	---	PASS
11AC80SISO	Ant1	5210	-3.8	≤11.00	-4.55	≤10.00	PASS
		5290	-3.25	≤11.00	-4.00	---	PASS
		5530	-1.97	≤11.00	-2.72	---	PASS
		5610	-2.03	≤11.00	-2.78	---	PASS
		5690_UNII-2C	-2.53	≤11.00	-3.28	---	PASS
		5690_UNII-3	-7.7	≤11.00	-8.45	---	PASS
		5775	-6.14	≤30.00	-6.89	---	PASS

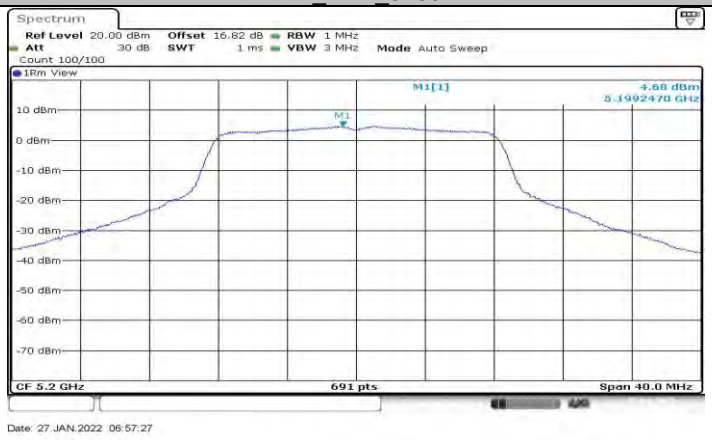
Note：1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

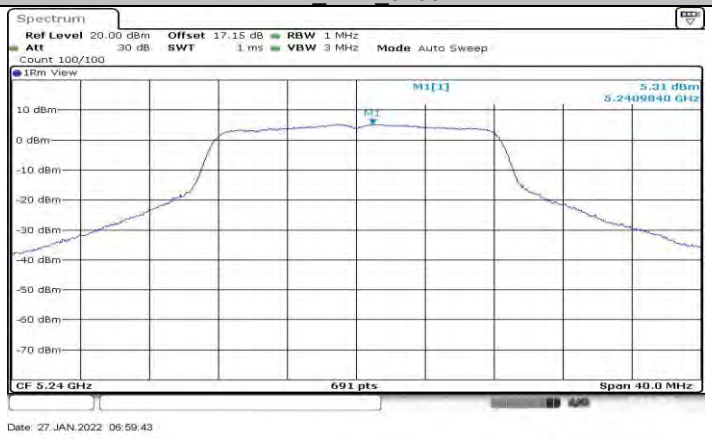
13.5.2. Test Graphs



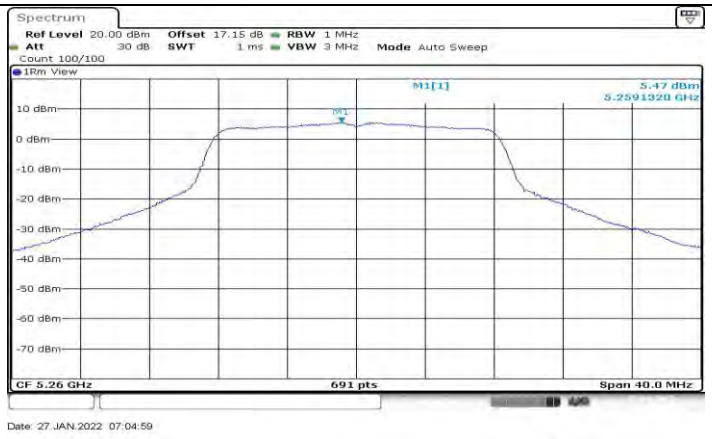
11A_Ant1_5180



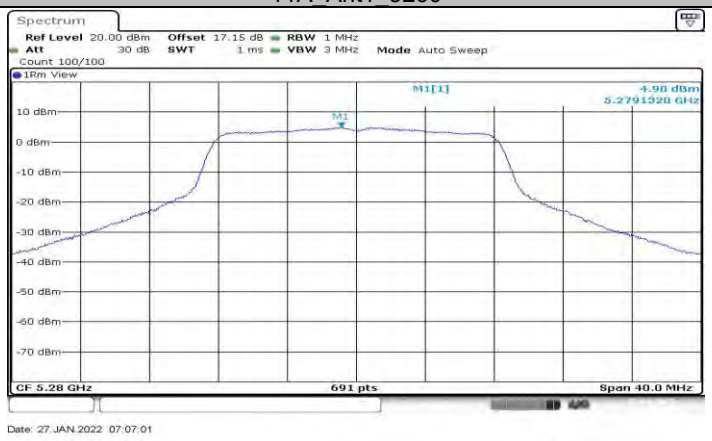
11A_Ant1_5200



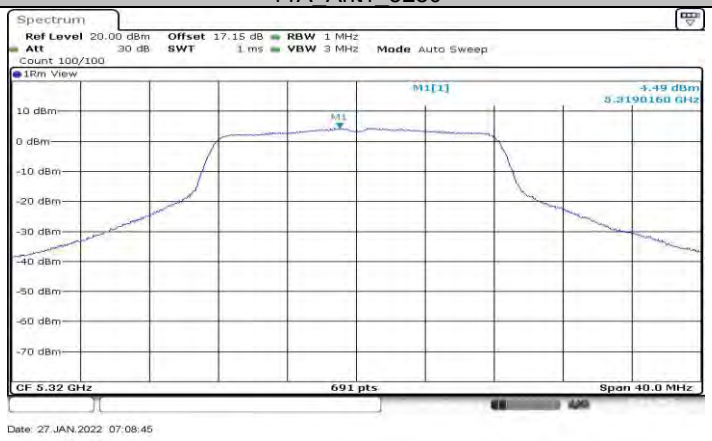
11A_Ant1_5240



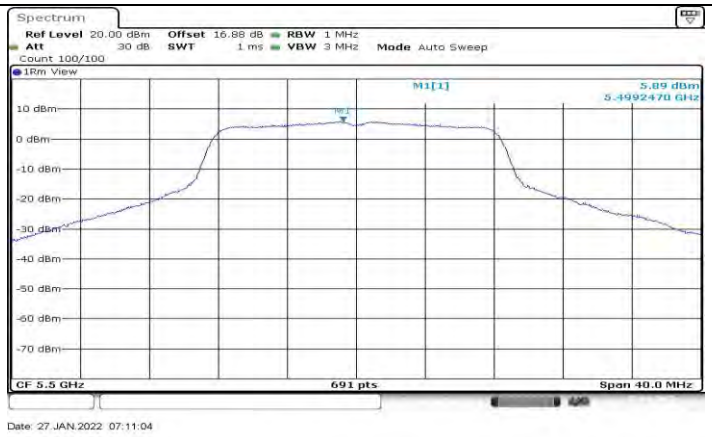
11A_Ant1_5260



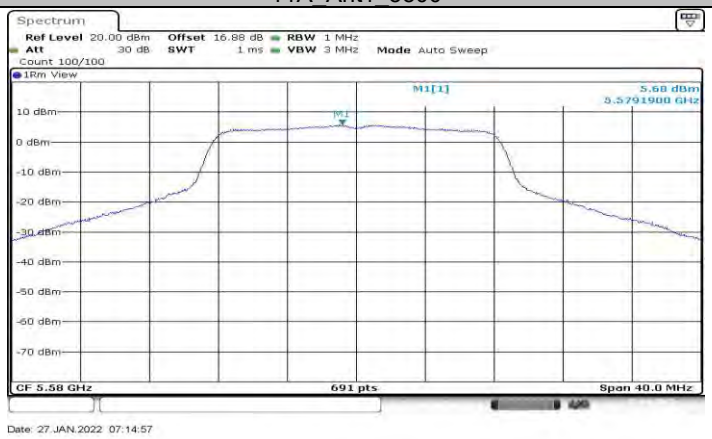
11A_Ant1_5280



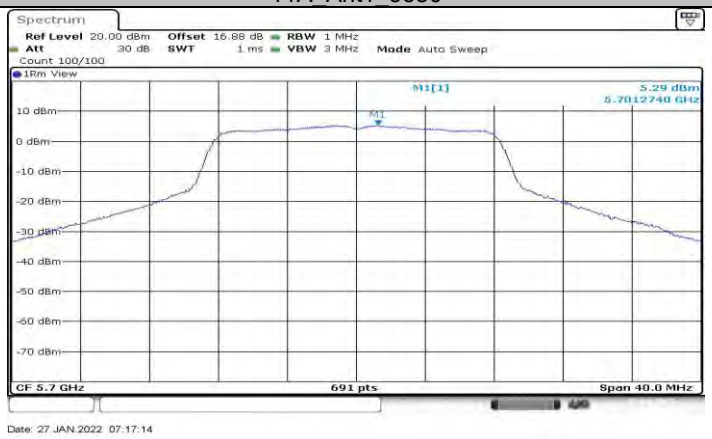
11A_Ant1_5320



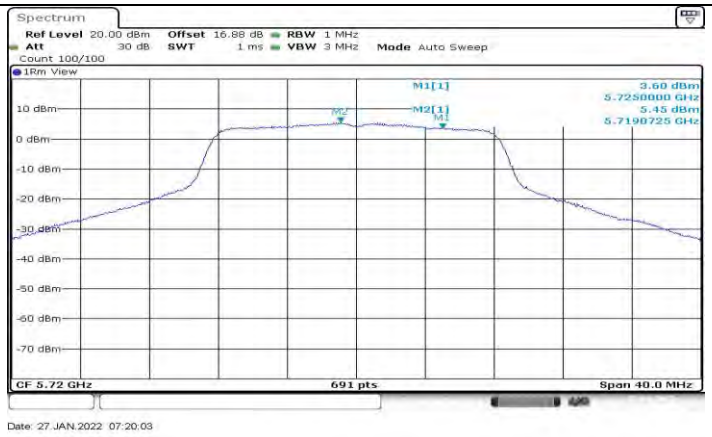
11A_Ant1_5500



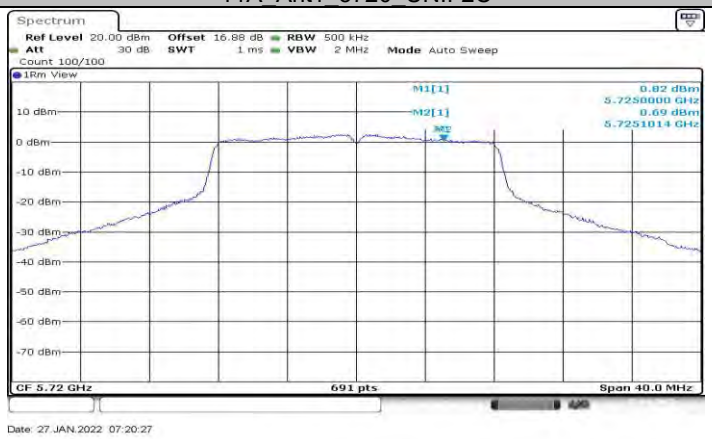
11A_Ant1_5580



11A_Ant1_5700

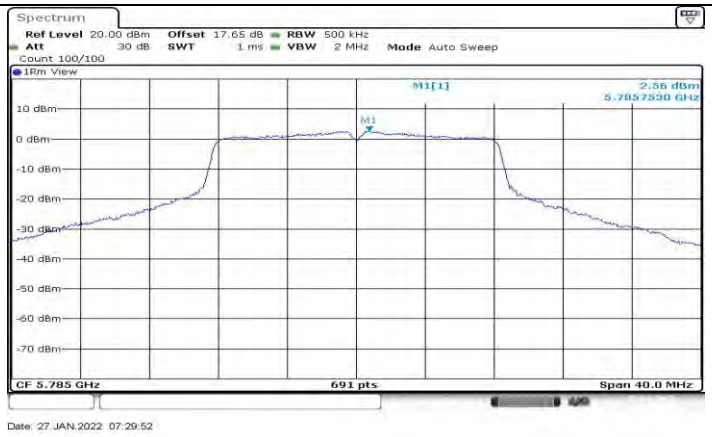


11A_Ant1_5720_UNII-2C



11A_Ant1_5720_UNII-3

11A_Ant1_5745



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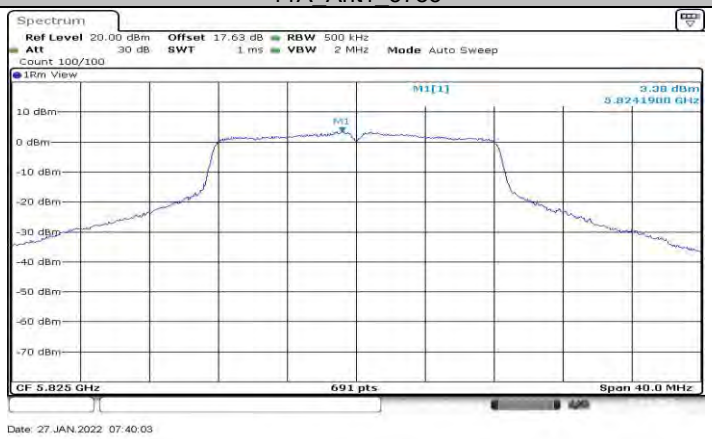

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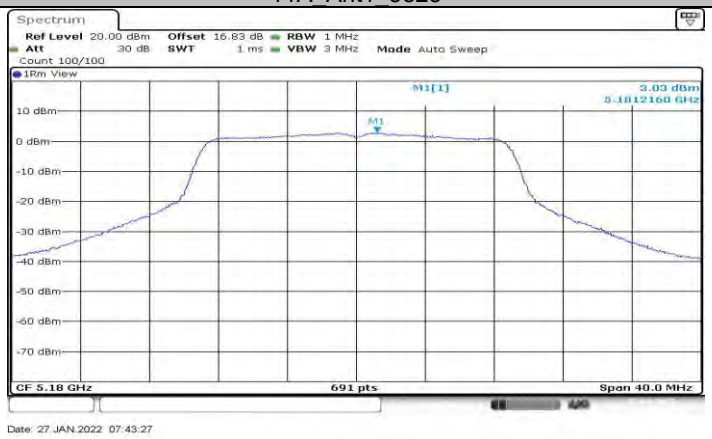

11AC20SISO_Ant1_5180